

APP USER MANUAL

https://www.cosmicnode.com



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アノフ

Cosmicnode provides highly reliable, low-latency, scalable wireless lighting controls (0-10V, DALI, DALI2 & Smart drivers), Wireless sensors (PIR, LDR, Microwave, Temperature, Humidity & CO2) and Wireless Switch for smart buildings.

Cosmicnode's wireless lighting solution enables OEMs, Lighting manufacturers, Integrators & Installers to easily integrate reliable and robust wireless technology in to their product ecosystem. The wireless control node acts as an intelligent inter-connected data point to create a large wireless mesh network.



Diagram 1

Diagram 2



Diagram 1

depicts Cosmicnode Mesh BLE module integrated in to an LED Driver.

Diagram 2

depicts Cosmicnode plug n play 0-I0V/DALI wireless controls connected to any standard 0-I0V or DALI LED drivers.

Diagram 3

depicts d ifferent accessories like Switches, Sensors, Remote which can be integrated with Cosmicnode Mesh BLE module.

App installation

Cosmicnode App is a simple and intuitive app used to commission and control the lights, sensors and other Cosmicnode enabled IoT devices. Cosmicnode App is supported on iPhone, iPad, Android Phone, Tablet.

Users can also download Cosmicnode App by scanning the following QR-code:





for Android







Account

Create an account

- 1. A new account can be created by the user
- 2. Click on 'Create New Account' option



- 3. Select 'Commercial' or 'Residential'
- 4. Fill in all the required information: full name, email address and create a password. *Please note: The email address must be a working one as you will receive a confirmation code via mail.
- 5. Tap 'Continue'
- 6. Enter Verification Code sent to email ID



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Fig. 1.4 Enter verification code









Sign in

- 1. Enter your 'Username' & 'Password'
- 2. Tap 'Log in' to enter your personal environment



Sign out

- 1. From the Home screen, select 'Account' on the bottom right
- 2. Tap on your account tab
- 3. At the top, tap on your profile
- 4. Select 'Sign out'
- 5. Confirm 'Sign out' selection

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Fig. 3.1 Home - Select "Account"	Fig. 3.2 Tap on profile	Fig. 3.3 Select "Sign Out"	Fig. 3.4 Confirm "Sign Out"



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- 1. Tap 'Forgot password'
- 2. Provide your email ID
- 3. Enter the verification code
- 4. Reset your password
- 5. You will get a confirmation



Fig. 4.1 Log in Screen

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Fig. 4.2 Enter e-mail address



Fig. 4.3 Request Verification Code



Fig. 4.4 Enter Verification Code



Fig. 4.5 Set new password



Fig. 4.6 Confirmation







- 1. From the Home screen, select 'Account' on the bottom right
- 2. At the bottom, select 'Delete Account'
- 3. Confirm selection

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*Please NOTE:

Deleting an account will delete all network and site details associated with this account.







Zones

Create a zone

a. Control Type: Manual

- 1. At home screen, tap on the 'S' icon to add a new zone
- 2. Enter Zone name
- 3. Select Zone profile (Manual Control) and click 'Next'
- 4. Select Lamp category and click 'Next'
- 5. Select Lamp profile and click 'Next'
- 6. Set required Power On Level, Max Level, Min level, Fade time
- 7. Tap 'Create'



b. Control Type: Automatic

- 1. At home screen, tap on the '+' icon to add a new zone
- 2. Enter Zone name
- 3. Select Zone profile (Motion Daylight Adaptive Control/Motion Based Control/ Daylight Adaptive Control) & click 'Next'
- 4. Select Lamp category & click 'Next'
- 5. Select Lamp profile & click 'Next'





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- 6. Select Sensor profile & click 'Next'
- 7. Set Power On Level, Max Level, Min Level & Manual Override time out & click 'Next'
- 8. Set On-Presence level, Hold time, Stand-by level, Stand-by time, On-Absence level & click 'Next'
- 9. Set Lux level, Tolerance, Update Interval & Minimum level
- 10. Tap 'Create'

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Fig. 7.8 Set On-Presence level, Hold time, Standby level, Standby time, On-Absence level

Fig. 7.9 Set Lux level, Tolerance, Update Interval & Minimum level and click 'Create'





- 1. At the home screen, tap the zone you want to edit
- 2. Select 'Edit Zone'
- 3. Enter the new Zone Name
- 4. Tap 'Save'





Fig. 8.2 Edit zone



Fig. 8.3 Enter zone name & Save





- 1. At the home screen, tap the zone you want to edit
- 2. Select 'Zone Settings'
- 3. Edit the settings to your preference
- 4. Tap 'Save'



Fig. 9.1 Home - select zone



Fig. 9.4 Edit advanced settings



Fig. 9.2 Zone settings

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Fig. 9.5 Edit advanced settings



Fig. 9.3 Edit settings



Fig. 9.6 Edit advanced settings & Save

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Delete a zone

- 1. At the home page, select the zone you want to delete
- 2. Select 'Delete Zone'
- 3. Confirm your selection



Fig. 10.1 Home - select zone

Fig. 10.2 Delete zone



Fig. 10.3 Confirm selection





Zone profiles

There are three options for Zone Profiles:

- 1. Manual Control
- 2. Motion and Adaptive Control
- 3. Motion Based Control
- 4. Daylight Adaptive Control

*See detailed description below

Manual Control:

A user can control the light fixture manually from the App that is ON/Off, Dimming function, changing the colour temperature in case of tunable white and also can access the colour pallet in colour changing light fixtures. Manual control is supported with wireless switches.

Motion and Daylight Adaptive Controls:

Light behaviour is driven by the motion and daylight sensor based on motion detection and daylight. It also supports manual override functionality.

Motion Based Control:

Light behaviour is driven only by motion sensor based on motion detection. It also supports manual override functionality.

Daylight Adaptive Control:

Light behaviour is driven by the daylight sensor based on daylight. It also supports manual override functionality.



Fig. 11.1 Zone profile selection







There are nine (9) options for Lamp Categories:

- 1. Dimmable
- 2. Tunable
- 3. DALI Dimmable
- 4. DALI Tunable
- 5. Sensor Integrated
- 6. Relay Controller
- 7. Color and Tunable White
- 8. Multi Channel Controller

*See detailed description below

Dimmable:

Smart LED driver with single channel Dimming

Tunable:

Smart LED driver with colour temperature control between 2000K to 6500K

DALI Dimmable:

DALI controller with DT6 DALI Led driver

DALI Tunnable:

DALI controller with DT8 DALI Tunable Led drive

0-10V:

0-10V controller with Single, Double and Multi channel 0-10V dimmable Led driver

Sensor Integrated:

Highbay Light fixture with Integrated sensor and controller (0-10V dimmable LED driver)

Color and Tunable White:

Smart LED driver with RGB and colour temperature control

Relay Controller:

Relay controller with standard on/off system or Led driver

Multi Channel Controller:

Multi Channel Controller with Multichannel 0-10V driver or Multichannel digital dimming led driver or multiple individual channel dimming driver











There are three options for Sensor Profiles (only for Zone Profiles 2&3):

- 1. Select All
- 2. Danlers Motion and Daylight Sensor
- 3. Sunricher Motion Sensor
- 4. People Count Sensor
- 5. TheisCraft Motion Sensor
- 6. Sharkward Motion Sensor
- 7. Other Motion and Daylight Sensor

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	Sharkward Motion Sensor		
	Other Motion and Daylight Sensor		

Fig. 13.1 Sensor profile selection







Device Management

Add lights

- 1. At the home page, select the zone you want
- 2. Select 'Device Management'
- 3. Under 'Lights' tab, press '+' to add lights
- 4. Wait until the lights are detected
- 5. See the list of lights
- 6. Tap on the lamp icon ' 🌣 ' icon to blink and identify the lamp





- 1. At Lights panel, tap on ' 🖻 ' icon, next to the light you want to remove
- 2. Confirm your action by tapping ' Continue'



Fig. 14.6 Remove light



Fig. 14.7 Confirm action









Add sensors

- 1. At the home page, select the zone you want
- 2. Select 'Device Management'
- 3. Under 'Sensors' tab, press '+' to add sensor
- 4. Wait until the sensors are detected
- 5. See the list of sensors
- 6. Tap on the sensor icon ' 💩 ' to blink the LED on sensor and identify



Fig. 15.1 Home - select zone





Fig. 15.2 Device Management

Fig. 15.3 Add sensors



Fig. 15.4 Detected sensors list



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- 1. At Sensors panel, tap on 'd' icon, next to the sensor you want to remove
- 2. Confirm your action by tapping ' Continue'



Fig. 15.6 Remove the sensor



Fig. 15.7 Confirm action





Add switces

- 1. At the home page, select the zone you want
- 2. Select 'Device Management'
- 3. Under 'Switches' tab, press '+' to add a switch
- 4. Select 'EnOcean' option
- 5. Place your phone close to the device to scan
- 6. Wait for the scan to be completed
- 7. Assign function to each switch or use the default selection
- 8. Scan to save the changes



Fig. 16.1 Home Screen - select zone



Fig. 16.4 Bring your phone close to the device to scan



Fig. 16.2 Tap 'Settings' icon



Fig. 16.5 After scan is completed, select the the switch type



Fig. 16.3 Add switch & select 'EnOcean'



Fig. 16.6 Bring your phone close to the device to scan again







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Fig. 16.7 Use the default settings or edit

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Fig. 16.8 Assign function to each switch



Fig. 16.9 Bring your phone close to the device to scan & save







Edit switches

- 1. At Switches panel, tap on the ':' symbol on the switch you want to rename
- 2. Select 'Rename'
- 3. Fill in the new name and tap 'Save'
- 4. To edit the functions, tap on the Switch you want to edit
- 5. Tap on the switch tips or on 'Edit'
- 6. Change the assigned functions



Fig. 17.1 Tap on the ':' symbol on the switch you want to rename

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Fig. 17.2 Tap 'Rename'



Fig. 17.3 Enter the new switch name and tap 'Save'



Fig. 17.4 Tap on the switch you want to edit

(4) (8) Preset	Edit
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Fig. 17.6 Change functions



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- 1. At Switches panel, tap on the ':' symbol on the switch you want to remove
- 2. Select 'Remove Switch'
- 3. Bring your phone closer to the device to scan



Fig. 17.7 Tap on the '' symbol on the switch you want to remove







Fig. 17.9 Bring your phone close to the device to scan





- 1. At the home page, switch on/off the zone you want by tapping on '()) '
- 2. The state is indiacted by the word 'ON' or 'OFF' on the Zone





Brightness control



- 1. At the home page, on the zone you want tap on '.....'
- 2. Tap on ' (*)' to control the brightness level
- 3. Set your preferred brightness by scrolling the brightness bar



Fig. 18.1 Home - Edit Zone brightness







- 1. At the home page, on the zone you want tap on '....'
- 2. Tap on ') ' to control the temperature level
- 3. Set your preffered temperature by scrolling the temperature bar



Fig. 19.1 Home Screen - select zone

Color Palette settings

- 1. At the home page, on the zone you want tap on ' 🖷 '
- 2. Tap on ' () ' to control the temperature level
- 3. Set your preffered temperature by scrolling the temperature bar



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Fig. 19.3 Set temperature

Reserved Scenes

- 1. At the home page, select the Zone you want
- 2. Select the tab 'Scenes'
- 3. See a list of reserved scenes for this zone





Fig. 21.3 View Reserved Scenes

Add scenes

- 1. At the home page, select the 'Scenes' tab
- 2. Upload Scene cover photo (optional)
- 3. Select image source
- 4. Enter the Scene name
- 5. Filter lights list by zone (optional)
- 6. Add/remove lights to scene & tap 'Continue'

*Note:

As soon as the scene is created, the user can load that scene by tapping on it.

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Fig. 21.1 Home - tap on 'Scene'



Fig. 21.2 Upload picture (optional)













*Note:

The lights blink when tapping the light icon ' V'.

a. Set global theme

- 1. In the scene, select 'Choose theme' at the upper left corner
- 2. Select a theme
- 3. When saved, the lights will blink.



Fig. 21.5 Tap on 'Choose theme'



Fig. 21.6 Select theme





b. Set global Color Palette

- In the scene, select 'Add Palette' at the upper left corner 1.
- 2. Upload or take a picture
- 3. A color palette will be generated, tap on one color and tap 'Continue'
- 4. Edit the color to your prreference







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c. Set color settings individually

- 1. In the scene, tap on one light shape (round shape)
- 2. Select between 'Theme', 'Temperature', and 'Color'
- 3. Edit the selected attribute to your preference
- 4. Lights will blink when saved



Fig. 21.9 Select one light





Fig. 21.10 Select theme

Fig. 21.11 Select & edit Temperature



Fig. 21.12 Select & edit Color







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Edit scenes

- 1. At the 'Scenes' tab, see all the created scenes
- 2. Tap the ':' icon on the scene you want to edit
- 3. Select 'Edit Scene'
- 4. Edit scene's name, lights & color settings to your preference
- 5. Tap 'Continue'
- 6. When changes are saved, all the lights will blink



Remove scenes

- 1. At the 'Scenes' tab, see all the created scenes
- 2. Tap the ':' icon on the scene you want to edit
- 3. Select 'Remove Scene'





Fig. 22.3 Change scene's content & tap 'Continue'



Fig. 22.4 Scene options



Fig. 22.5 Remove Scene





