



EMC Flanders Node Dock Sensor Router User Guide

[Home](#) » [EMC](#) » EMC Flanders Node Dock Sensor Router User Guide 

Contents

- 1 EMC Flanders Node Dock Sensor Router User Guide
- 2 Flanders Node/Dock/Sensor User Guide
- 3 Product overview:
- 4 Features:
- 5 Technical parameters:
- 6 AC parameters:
- 7 Light sensor parameters:
- 8 Voltage sensor parameters:
- 9 Dock parameters:
- 10 Details:
- 11 ANT
- 12 1. Node Explain in detail
 - 12.1 a. 4pin Jack 4pcs
 - 12.2 The 4 Jack are functionally consistent and can be connected to Sensor or Dock via Accessory Line
- 13 c. RF jack
- 14 d. LED
- 15 e. Button
- 16 Reset SW
 - 16.1 f. Hole
 - 16.2 g. AC power lines
- 17 2. Dock
 - 17.1 a. RF input jack
 - 17.2 b. RF out jack
 - 17.3 c. 4Pin jack
 - 17.4 d. LED
- 18 3. System Architecture
- 19 Connect Sensor
 - 19.1 Connect Dock
 - 19.2 Connect 2Pin jack
 - 19.3 Connect RF jack
 - 19.4 4. Install the tutorial
- 20 Features:
- 21 FCC
- 22 Read More About This Manual & Download PDF:
- 23 Documents / Resources
- 24 Related Posts

EMC Flanders Node Dock Sensor Router User Guide



Flanders Node/Dock/Sensor User Guide



Product overview:

Node is an emergency lamp upgrade and transformation of the product, through the addition of this product, you can achieve intelligent detection of the state of emergency lights, simplify the transformation of the manual inspection of emergency lights before the complicated process, improve work efficiency, save labor costs.

Features:

- BLE group network
- Remote control and detection
- Accurate ambient light detection
- Accurate emergency light battery level detection
- RTC timing
- Antennas extend to enhance coverage
- The phone can be manipulated
- Wide AC voltage input for more use conditions

Technical parameters:



Logo :

Brand: EMC

Company: Concord Electronic Huizhou Ltd & Country Mate Technology Ltd

BLE IC: EFR32BG21A020F768IM32_B

Model: Flanders Node/Dock/Sensor

Bluetooth: This Class A digital device complies

Using local: For Indoor use only

Operating temperature : -10°C -60°C

AC OUT Load : 85-277VAC@60HZ 10A

AC parameters:

AC Input: 85-277 VAC s 60HZ, 10A

AC output: 85-277 VAC s 60HZ, 10A

AC output airborne current: I_{max} is 25mA
RF power: 20dBm

Light sensor parameters:

Output: IIC number
Supply voltage: 3.3V
Current of work: $I_{max}=1\text{mA}$

Voltage sensor parameters:

Output: IIC number
Supply voltage: 3.3V
Detection range: -32VDC-32VDC
Current of work: $I_{max} \leq 5\text{mA}$

Dock parameters:

Output: IIC number
Supply voltage: 3.3V
Current: $I_{max} \leq 10\text{mA}$

Details:



Node



Dock



Sensor



Accessory line 1



Accessory line 2



Accessory line 3

ANT



1. Node Explain in detail



a. 4pin Jack 4pcs



The 4 Jack are functionally consistent and can be connected to Sensor or Dock via Accessory Line 2.

Note: The Dock can only be followed by one, Sensor with up to three, and the interface is common.

b. 2pin jack 1pcs



The 2pin jack can only insert accessory line 3, accessory line 3 connected to the fire lamp inside the battery positive and negative pole.

Note: Red- positive pole, black- negative pole.

c. RF jack



The RF jack can be connected to the antenna or to the Dock via accessory line 1.

d. LED



RGB Status indication.

e. Button



Reset SW

f. Hole



g. AC power lines



Black: AC input LIVE
White: NEUTRUAL (Common part)
Red: AC output Load
Green: Earth

2. Dock



a. RF input jack



Connect to Node via accessory line 1; (refer to Node's c)

b. RF out jack



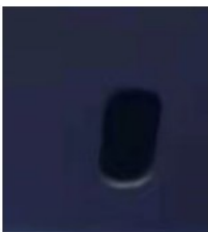
Connect to ANT

c. 4Pin jack



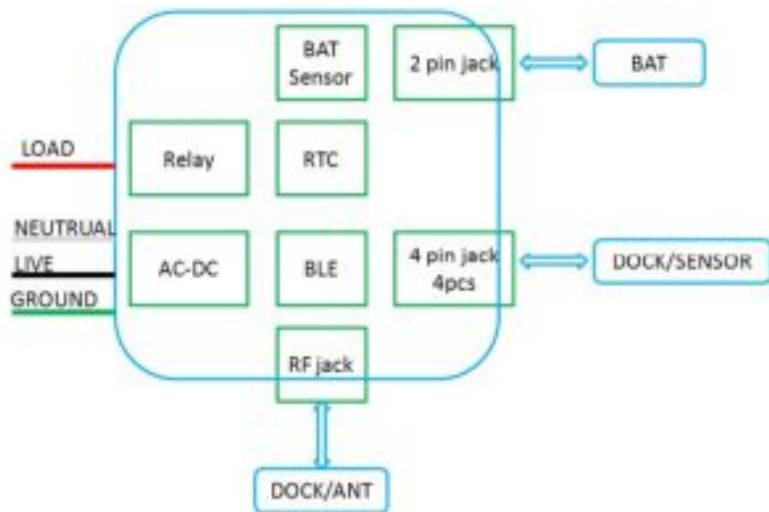
Connect to Node via accessory line 2; (refer to Node's a)

d. LED



RGB LED , when Node is powered on and Dock connect with Node, Status indication.

3. System Architecture



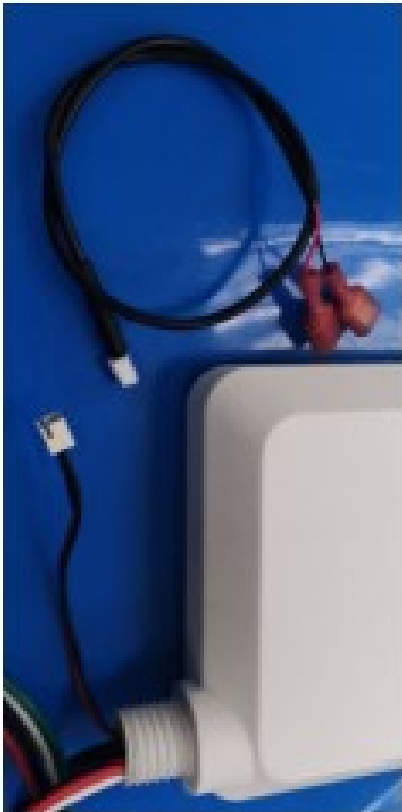
Connect Sensor



Connect Dock



Connect 2Pin jack



Connect RF jack



4. Install the tutorial

<https://www.?????.com>

Features:

Through the BLE network, the automation to detect the state of emergency lights, including the ambient brightness, internal battery power, time and so on.

FCC

FCCID: 2AZJ5-EMCN001

Compliance with Standards

This device complies with FCC Rules Part 15 and with Industry Canada license exempt

RSS standard(s). Operation is subject to two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference that may be received or that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits of a Class


B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Read More About This Manual & Download PDF:

Documents / Resources

	<p>EMC Flanders Node Dock Sensor Router [pdf] User Guide EMCN001, 2AZJ5-EMCN001, 2AZJ5EMCN001, Flanders Node Dock Sensor Router</p>
---	---