

Terminal troubleshooting for Node 90

Inxip:

The `inixip` parameter represents the IP address of Aida. It must be set to the Aida IP where the nodes are connected, ensuring they can be controlled through Aida.

To configure inxip in the terminal:

1. Navigate to Nodes.
2. Select the Node Name/Serial you want to update.
3. Set the Request Type to PUT.
4. In the Data field, enter the Aida IP Address.

After Sending Command to Node, under Request Type, select “Get” to see the update.

REQUEST TYPE
PUT

NODES
ND-34413

OR IP
Enter IP here

PAGE
network

CONTEXT
inixp

QUERY
Enter query here

DATA TYPE
String

DATA
10.10.10.10

Send Command To Node

Results:

[illegible]

CCCV:

CCCV Configuration

The **CCCV value** represents the node's voltage in multiples of 12.

- **1** = 12 Volts
- **2** = 24 Volts
- **3** = 36 Volts
- **4** = 48 Volts

To configure **CCCV** in the terminal:

1. Select the **PUT** request type.
2. In the **Data** field, enter the desired **CCCV value**.
3. Under *Actuators*, set the **Subpage** to **Actuator 1** or **Actuator 2** (as shown in the diagram below).

After Sending Command to Node, under Request Type, select “Get” to see the update.



REQUEST TYPE
PUT ▼

NODES
ND-34413 ▼

OR IP
Enter IP here

PAGE
actuators

SUBPAGE
actuator1

PROPERTY

CONTEXT
CCCV

QUERY
Enter query here

DATA TYPE
String

DATA
1

[illegible]

Wattage

Wattage Configuration

- The Wattage parameter defines the total power delivery (in watts) of a node. Each node has specific power delivery limits, and the output power is distributed across its actuators.
- The wattage values you set must account for both the node's power capacity and the light fixture requirements, so they need to be selected carefully.

To configure wattage:

- Select the parameters for Actuator 1 as shown in the diagram.
- Repeat the same process for Actuator 2 in its subpage.
- In the Data field, enter the desired wattage multiplied by 10.
- Example: To set 12W on Actuator 1, enter 120 in the Data field.



After Sending Command to Node, under Request Type, select “Get” to see the update.

REQUEST TYPE PUT ▼	NODES ND-34413 ▼	OR IP Enter IP here	PAGE actuators ▼	SUBPAGE actuator1 ▼	PROPERTY Select ▼
CONTEXT maxw	QUERY Enter query here	DATA TYPE String ▼	DATA 120		
<div>🚀 Send Command To Node</div>					

Results:

[illegible]

Motion

Motion Enable/Disable Configuration

- You can enable motion on a node when pairing it with an occupancy or motion sensor. The motion variable is `motdsbl`, which accepts the following values:
- 33 = Motion enabled
- 3 = Motion disabled
- Note: Motion only needs to be enabled on Actuator 1. There is no need to configure it for Actuator 2.




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- Refer to the diagram below for setup instructions.

After Sending Command to Node, under Request Type, select “Get” to see the update.

Path Assembly

REQUEST TYPE PUT ▼	NODES ND-34413 ▼	OR IP Enter IP here	PAGE actuators ▼	SUBPAGE actuator1 ▼	PROPERTY Select ▼
CONTEXT motdsbl	QUERY Enter query here		DATA TYPE String ▼	DATA 33	
					

Results:

[illegible]

FadeTime

FadeTime determines how long it takes for the lights to turn off:

- 0 seconds = instant lights out
- 2 seconds (recommended) = smooth, gradual fade out

To configure FadeTime:

1. Select the parameters as shown in the diagram below.
2. In the Data field, enter the desired fade time in milliseconds (value \times 1000).
 - Example: For a 2-second fade, enter 2000.

After Sending Command to Node, under Request Type, select “Get” to see the update.

Path Assembly

REQUEST TYPE

PUT

NODES

ND-34413

OR IP

Enter IP here

PAGE

actuators

SUBPAGE

actuator1

PROPERTY

Select

CONTEXT

fadetime

QUERY

Enter query here

DATA TYPE

String

DATA

2000

Send Command To Node

Results:

Results:

File Exists

```
The line of /var/www/html/aida/tmp/cs-args68c043aad2c8d is: inx/actuators/actuator
uri= coap://10.0.0.102/inx/actuators/actuator1
```

Response from 10.0.0.102:

```
payload= b'\xa1ae\xb6duuidx$00000008\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff\xff'
obj is {'e': {'uuid': '00000008????????????????????VIDX',
```

```
"e": {
  "uuid": "00000008\ufffd\ufffd\ufffd\ufffd\ufffd\ufffd\ufffd\ufffd\ufffd",
  "n": " 0",
  "maxw": "120",
  "maxa": 2500,
  "dims": "100",
  "motdsbl": "33",
  "prphtag": "227",
  "cccv": "1",
  "colconf": "",
  "els": "false",
  "dimels": 25,
  "lightonen": "true",
  "pwmfreq": "25000",
  "shortdetect": "false",
  "fadetime": 2000,
}
```

Motion policies

Motion sensor Policy Type

You can configure motion sensor `Type` on a node to define how lights respond:

- manual,vac = Manual ON / Auto OFF
- mot,vac = Auto ON / Auto OFF




To apply a motion sensor Policy Type:

1. Open the terminal and select the parameters as shown in the diagram below.
2. In the Data field, enter the appropriate policy string (manual,vac or mot,vac).

After Sending Command to Node, under Request Type, select “Get” to see the update.

Path Assembly

REQUEST TYPE PUT	NODES ND-35411	OR IP Enter IP here	PAGE sensors	SUBPAGE sensor1	PROPERTY Select
CONTEXT eventrisefall	QUERY Enter query here	DATA TYPE String	DATA manual,vac		
					

Auto on/ Auto off, 'eventrisefall' must be set to "mot,vac"

Manual on / Auto off, 'eventrisefall' must be set to 'manual,vac'

Results:

[illegible]


```
"s1": "0,100,1,100,256",
"s2": "0,75,1,75,256",
"s3": "0,50,1,50,256",
```

Motion and Vacancy

Motion & Vacancy Policy Configuration

In the example below:

- When motion is detected, the light brightness is set to 95% (from 0%).
- After 5 minutes of no motion (vacancy), the brightness gradually returns to 0%.

To configure:

1. Set the motion policy so that when motion is triggered, the node reaches 95% brightness.
2. Configure the vacancy timer to reduce brightness to 0 after 5 minutes of inactivity.

[illegible]

Percentage Power in Brightness

The pp value controls the brightness of the node:

- 100 = Maximum brightness
- 0 = Lights off

You can configure the pp value on Actuator 1, Actuator 2, or both. Follow the steps below:

1. Select the actuator(s) you want to configure.
2. Enter the desired pp value in the Data field.

After Sending Command to Node, under Request Type, select “Get” to see the update.

In the below example, pp is set to ‘53’ on Actuator 2.

Path Assembly

REQUEST TYPE PUT ▼	NODES ND-34413 ▼	OR IP Enter IP here	PAGE actuators ▼	SUBPAGE actuator2 ▼	PROPERTY Select ▼
CONTEXT pp	QUERY Enter query here	DATA TYPE String ▼	DATA 53		

[Send Command To Node](#)

Results:

```
"lightonen": "true",
"pwmfreq": "25000",
"shortdetect": "false",
"fadetime": 2000,
"pp": 53,
"lighton": true,
"voltage": 55243,
"current": 5,
"power": 0,
"vout": 0,
"iout": 0
```



Clusters:

A **cluster** is a group to which a node—or multiple nodes—can belong. You can also assign a **motion sensor** or **wall switch** to a cluster.

- When the **ON** button on a wall switch is pressed, it will control only the nodes within the same cluster.
- This allows different rooms or areas in a building to have separate clusters, each with their own wall switches and motion sensors.

Example: In the terminal below, the nodes **upOffice1** and **downOffice1** belong to the same cluster because they share **Cluster ID “41”**.

[illegible]

Wall switch cluster ID:

[illegible]



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Sensor Cluster ID:

Path Assembly

REQUEST TYPE GET	NODES upOffice1	OR IP Enter IP here	PAGE sensors	SUBPAGE sensor1	PROPERTY context
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Results:

[illegible]