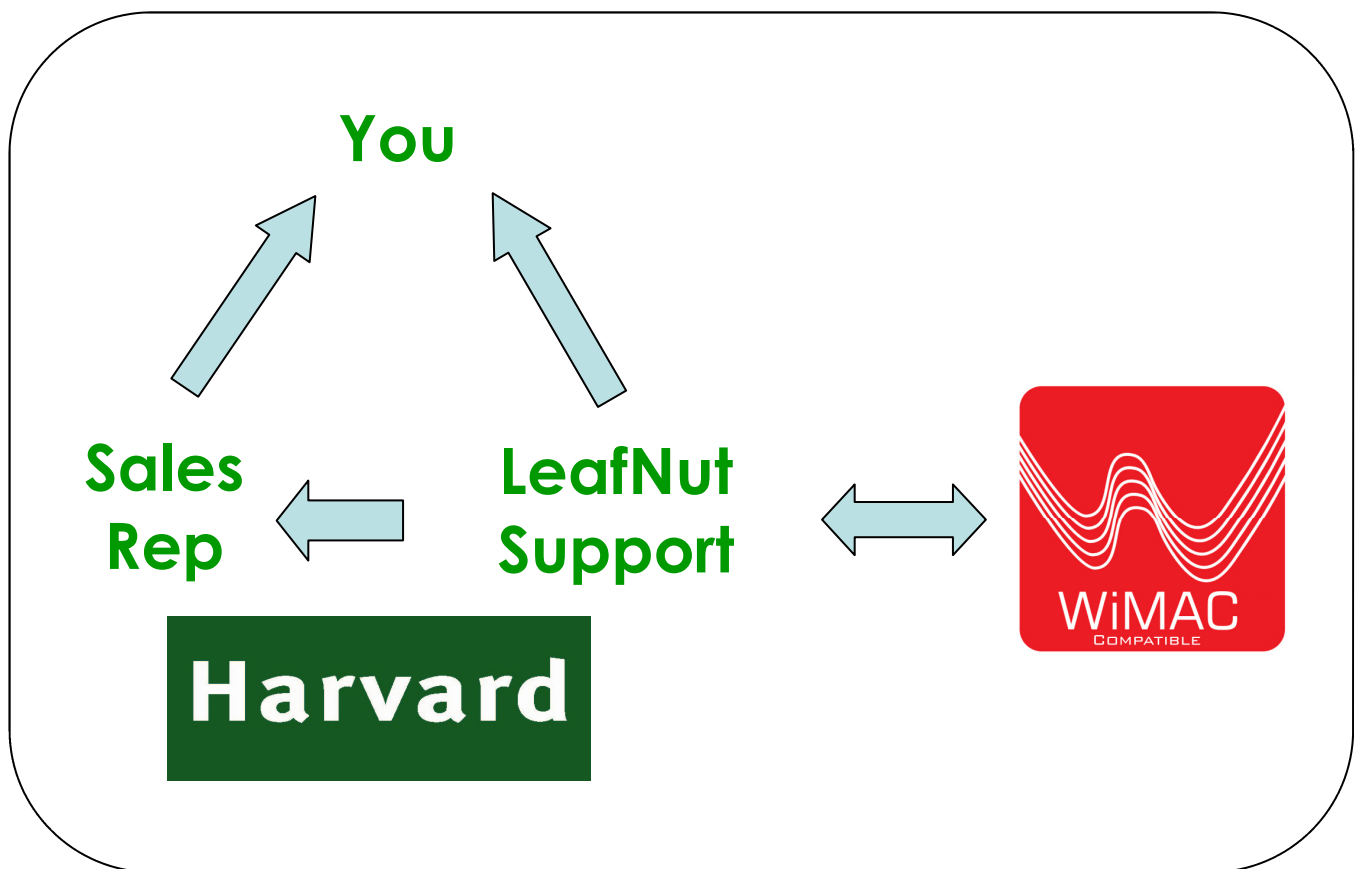


# LeafNut Support Quick Start Guide

**Harvard**  
LeafNut 

# LeafNut Support

## The Control and Monitoring System for Street Lighting



### •Product Support?

- Contact Your Sales Rep

### •Tech Support?

- Contact Your Support Account Manager

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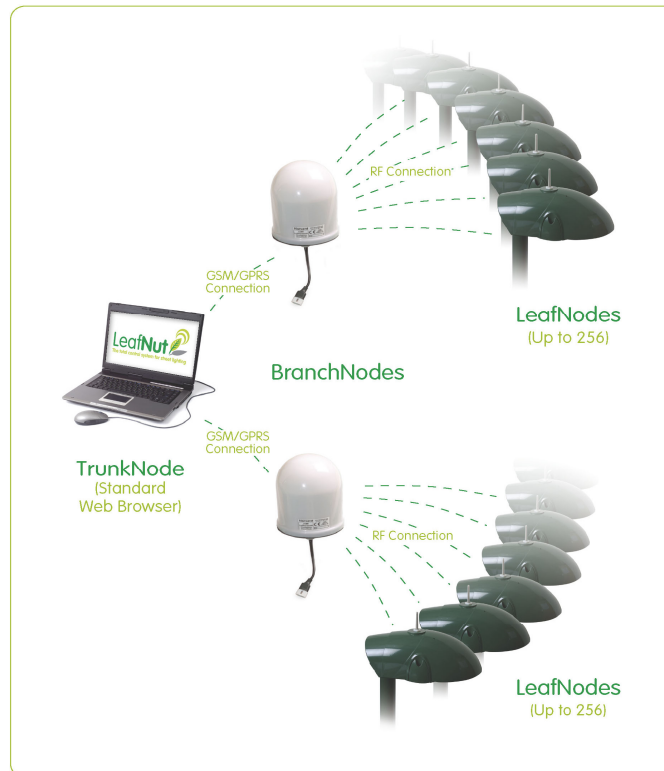
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# How Does LeafNut Work?



- LeafNut is an advanced and robust Control, Management and Reporting system for outdoor lighting.
- It is not a light switch.
- It is a computer based system, hence has limited capabilities. It is only as effective as its user.

The more you understand and get to know the system, the more helpful you will find it.

# How Does LeafNut Work?



## LeafNut operates using wireless communication systems:

- LeafNut is very easy to install
- LeafNut is very easy to maintain or move equipment
- LeafNut does still require some basic planning
- LeafNut will operate best with clear line-of-sight view
  - It has been robustly designed to operate in all conditions
  - Install Branches with a clear sky view on a tall column
  - Install nodes all around the branch

# Using LeafNut

- <https://www.leafnut-host.net/Trunkname>

 leafnut-host.net <https://www.leafnut-host.net/Training/>



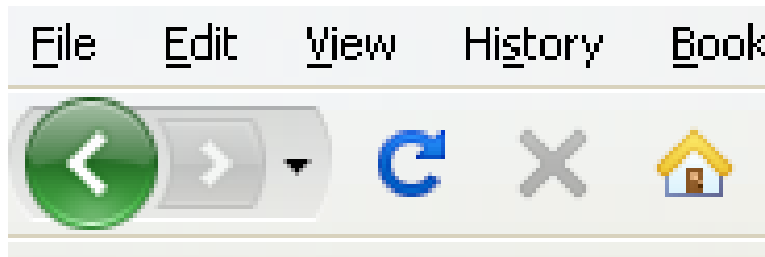
- LeafNut is secure and all activity is recorded.
  - So don't share your password.
  - Don't let other people use your account.
  - Ensure your computer is up-to-date and secure.



- Internet Explorer 6 is incompatible due to security flaws in the software.
- Some councils filter web traffic. Speak to your IT department to ensure you have access to your trunk.

# Back Buttons & Time Outs

Navigate using the LeafNut icons  
– not the web browser buttons



Administration



Health Check



Interactive Monitor



Reports



LeafNut will time-out after  
15 minutes of inactive use  
and you will have to  
log in again





# Administration

- Administration

- Use this to add nodes or change settings

## LeafNut Login

Please login to continue

Username:

Password:



Administration

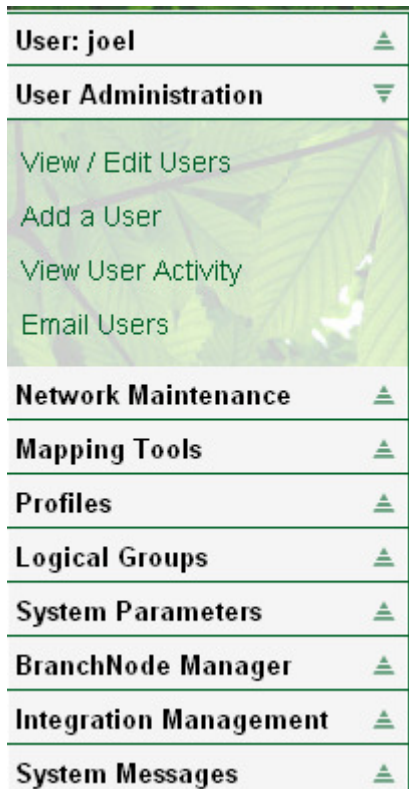


User: joep	
Logout	
Home	
About	
User Administration	▲
Network Maintenance	▲
Mapping Tools	▲
Profiles	▲
Logical Groups	▲
System Parameters	▲
BranchNode Manager	▲
Integration Management	▲
System Messages	▲

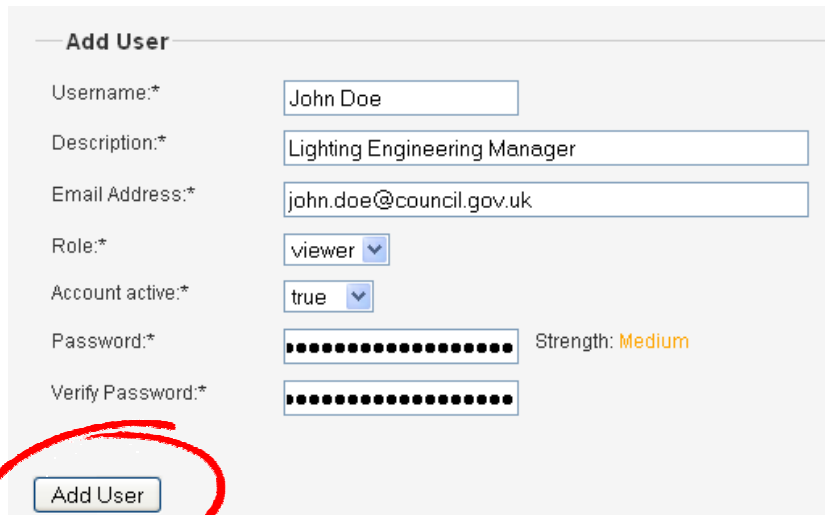


# Administration

- Adding a user



A screenshot of a web application's left-hand navigation menu. The menu is titled 'User: joel' at the top. Below it is a section titled 'User Administration' with a dropdown arrow. Under 'User Administration', there are four options: 'View / Edit Users', 'Add a User', 'View User Activity', and 'Email Users'. Below this section are several other menu items: 'Network Maintenance', 'Mapping Tools', 'Profiles', 'Logical Groups', 'System Parameters', 'BranchNode Manager', 'Integration Management', and 'System Messages'. A large green arrow points from the 'Add a User' option to the right.



A screenshot of the 'Add User' form in the web application. The form has the following fields: 'Username:\*' with the value 'John Doe', 'Description:\*' with the value 'Lighting Engineering Manager', 'Email Address:\*' with the value 'john.doe@council.gov.uk', 'Role:\*' with a dropdown menu showing 'viewer', 'Account active:\*' with a dropdown menu showing 'true', 'Password:\*' with a masked input field, and 'Verify Password:\*' with a masked input field. To the right of the password fields, it says 'Strength: Medium'. At the bottom of the form, there is a button labeled 'Add User' which is circled in red.

- Remember to set new users to active.
- Set an appropriate user level to keep the system as secure as possible.
  - Levels are defined in the WiMAC manual.
- Use a valid e-mail address.

# Administration

- Editing a user

The screenshot illustrates the steps to edit a user in the Harvard LeafNut system. It shows the navigation menu, a user list table, a selection button, and the detailed user edit form.

**User Administration Menu:**

- User: joel
- User Administration
  - View / Edit Users** (circled in red)
  - Add a User
  - View User Activity
  - Email Users
- Network Maintenance
- Mapping Tools
- Profiles
- Logical Groups
- System Parameters
- BranchNode Manager
- Integration Management
- System Messages

**User List Table:**

	Username	Description	Role	Last Login	Last Logout	Active
<input type="radio"/>	Catherine	Admin User	admin	2010-07-02 15:14:39.0	---	<input checked="" type="checkbox"/> Yes
<input checked="" type="radio"/>	kevine	admin	admin	2010-07-28 12:44:13.0	2010-07-28 12:44:22.0	<input type="checkbox"/> No
<input type="radio"/>	joel	Joel Andrew	admin	2010-10-04 16:00:40.0	---	<input checked="" type="checkbox"/> Yes

**Select Button:** A button labeled "Select" is circled in red.

**Edit User: kevine Form:**

- Account Details:**
  - Role: admin (dropdown)
  - Account active: false (dropdown)
- User Details:**
  - Description: admin (text field)
  - Email Address: (text field)
- Email Configuration:**
  - Allow Email Attachments: No (dropdown)
  - Accept reports via email: No (dropdown)
  - Accept UHF reports via email: No (dropdown)
  - Preferred email format: HTML (dropdown)
  - Receive no fault confirmation: No (dropdown)
- Password:**
  - Update User (button, circled in red)

**Annotation:** A green dashed box highlights the email configuration settings with the text: "These settings allow you to receive daily e-mail reports."

# Administration

- Adding a BranchNode

The diagram illustrates the process of adding a new BranchNode in the Harvard LeafNut system. It begins with a navigation menu on the left where 'Add New BranchNode' is highlighted. An arrow points to a 'Create a new BranchNode' form. In this form, the 'BranchNode Id' is set to 1234, and the 'Installation date' is set to 05/10/2010. The 'Find IP Address' button is highlighted with a red box. A second arrow points down to the same form, but now the 'IP address' field is automatically populated with '10.0.\*.\*' after the 'Find IP Address' button was clicked.

**Create a new BranchNode**

BranchNode Id:\* 1234

IP address:\*  Find IP Address

Installation date:\* 05 / 10 / 2010

Create

**Create a new BranchNode**

BranchNode Id:\* 1234

IP address:\* 10.0.\*.\* Find IP Address

Installation date:\* 05 / 10 / 2010

Create

The IP address box will automatically complete itself when **Find IP Address** is selected..



# Administration

## • Adding a BranchNode pt. 2

**BranchNode Definition**

BranchNode Id: 1234

IP address: 10.0.0.0

Installation date: 5/10/2010

**BranchNode Status**

Current status: Inactive

**BranchNode Location**

Column Id:\*

Street 1:\*

Street 2:

City:\*

District:\*

Postcode:

Notes:

**Light Level Trim Details**

**BranchNode Transmission Slot**

Slot Number: 0\*

**BranchNode Transmission Power**

Output Power: 7

Create new BranchNode

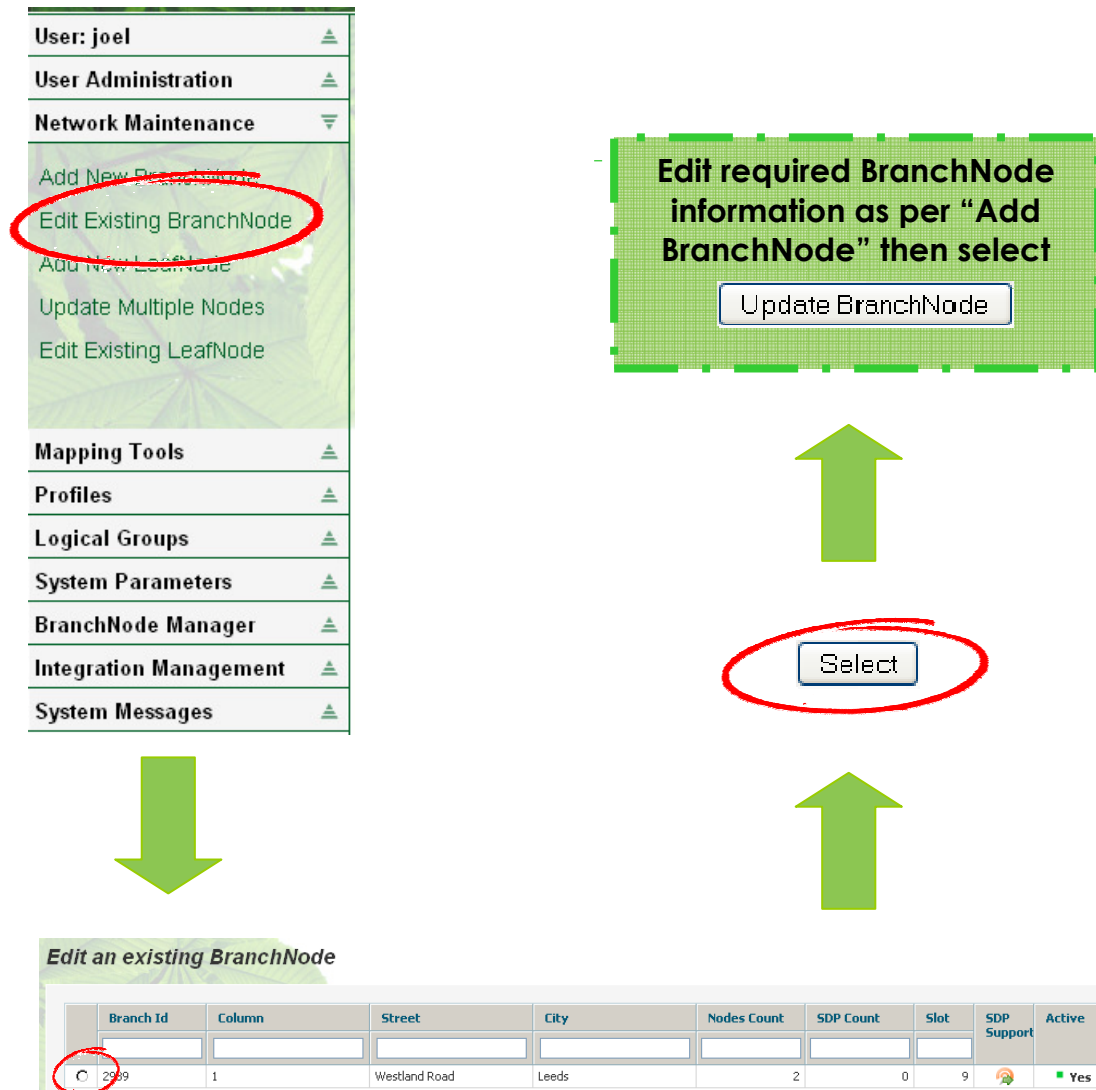
Set Status to active if branch is to be installed in the near future

Fill in location details, making sure they are correct. Boxes marked \* are compulsory

Set an appropriate slot number. Consult the WiMAC manual for more information on slots

# Administration

- Editing a BranchNode



# Administration

- Adding a LeafNode

User: joel

User Administration

Network Maintenance

Add New BranchNode

Edit Existing BranchNode

**Add New LeafNode**

Update Multiple Nodes

Edit Existing LeafNode

Mapping Tools

Profiles

Logical Groups

System Parameters

BranchNode Manager

Integration Management

System Messages

**Add a new LeafNode**

Enter the LeafNode id:\*

Node Type:\*

Search BranchNodes for\*

Search by

**Create a new LeafNode**

Input 8 digit LeafNode ID, select node type and enter the branch ID to which you wish to add it.

**LeafNode definition**

LeafNode id:

Node Type:

BranchNode id:

**LeafNode location**

Column Id:\*

Column Installed:\*

Street 1:\*

Street 2:

City:\*

District:\*

Postcode:

Latitude:

Longitude:

Notes:

Fill in Location Details, making sure they are correct. Boxes marked \* are compulsory.



# Administration

## • Adding a LeafNode pt. 2

**LeafNode definition**

LeafNode id:

Node Type:

BranchNode id:

**LeafNode location**

Column Id:\*

Column Installed:\*

Street 1:\*

Street 2:

City:\*

District:\*

Postcode:

Latitude:

Longitude:

Notes:



**Seven day profile details**

Seven day profile:

**Gear information**

Ballast type:\*

Ballast installation date:\*

Lamp type:\*

Lamp installation date:\*

**LeafNode role**

Spatial Diversity Provider: ☐

**Solar Clock Trim Values**

Sunrise Trim (+/- 59 Mins):

Sunset Trim (+/- 59 Mins):

Fill in location details, making sure they are correct. Boxes marked \* are compulsory.

Ensure you input accurate details. The more accurate the details you use, the more effective LeafNut will be.

Select Profile (See Profiles section).

Select ballast and lamp type which the Node is connected to.

Leave other values as default for now.