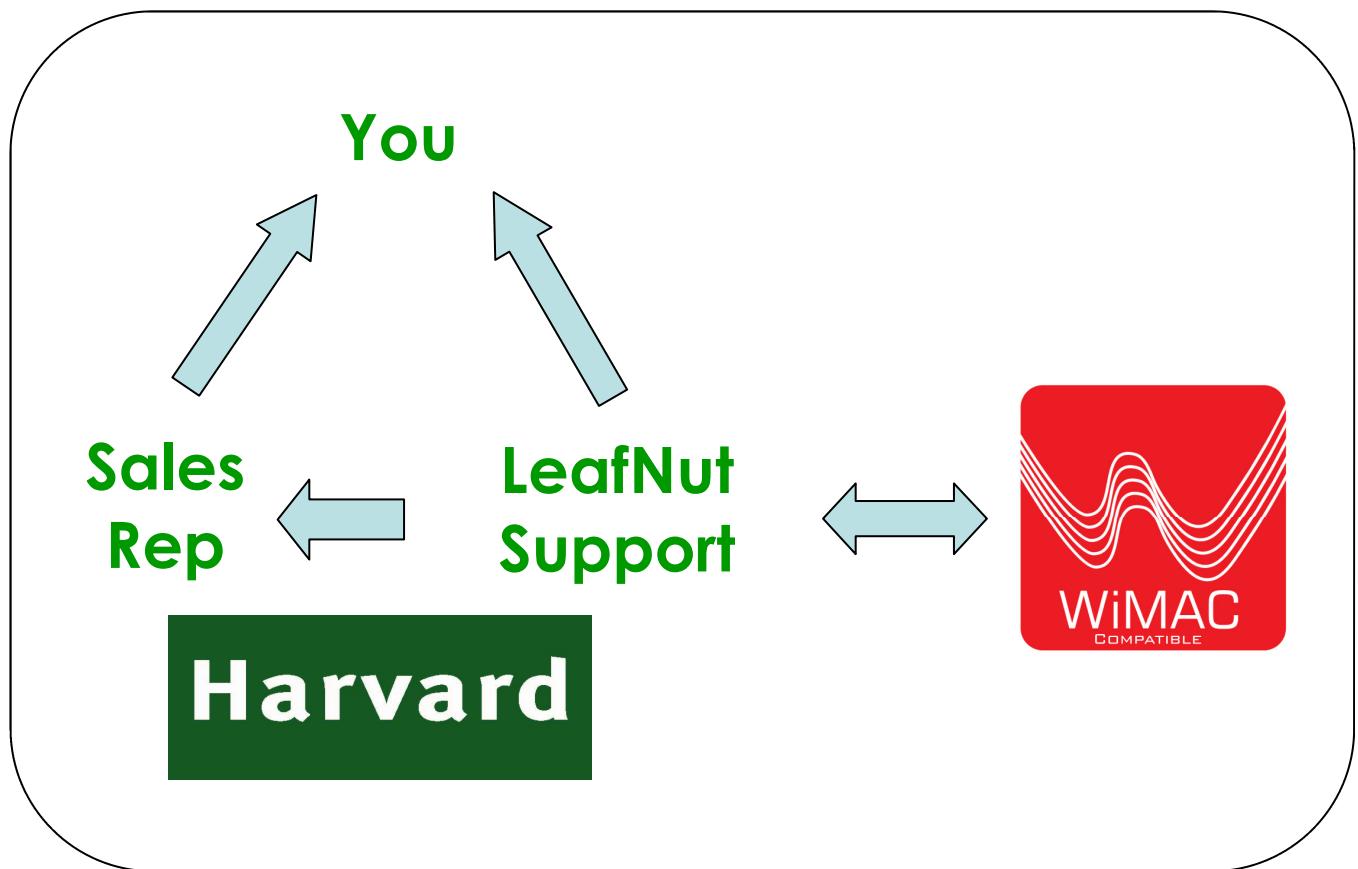


LeafNut Support Quick Start Guide



LeafNut Support

The Control and Monitoring System for Street Lighting



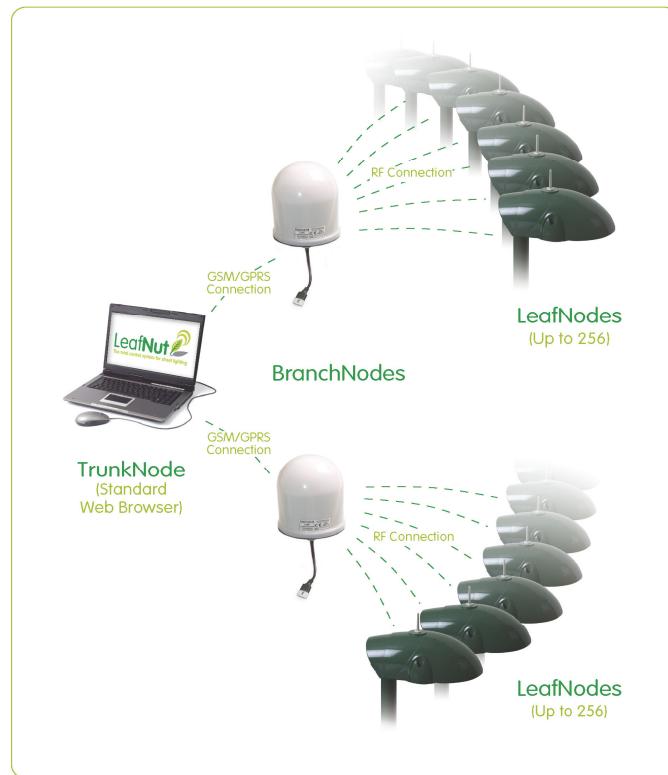
- **Product Support?**
 - Contact Your Sales Rep
- **Tech Support?**
 - Contact Your Support Account Manager



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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>



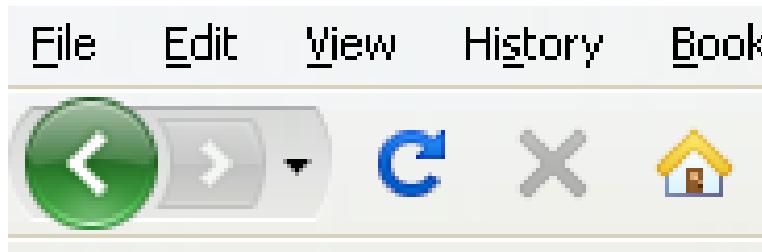
- LeafNut is secure and all activity is recorded.
 - So don't share your password.
 - Don't let other people use your account.
 - Ensure your computer is up-to-date and secure.



- 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

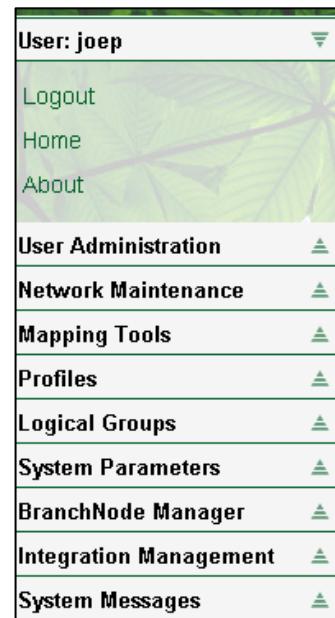
Please login to continue

Username:

Password:

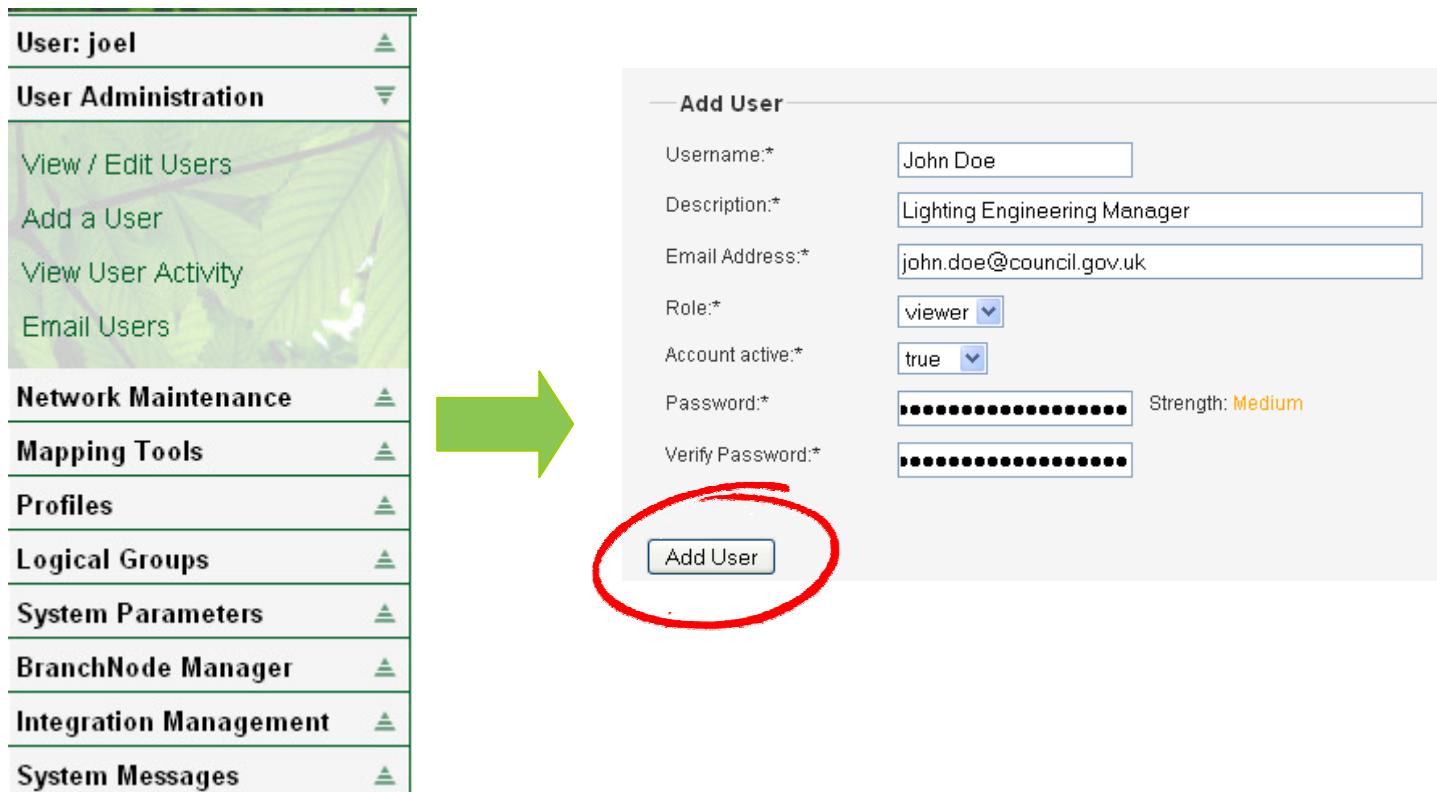


Administration



Administration

• Adding a user



The image shows a user administration interface on the left and a detailed 'Add User' form on the right. A large green arrow points from the 'Add a User' link in the sidebar to the 'Add User' button on the form. The 'Add User' button is circled in red.

User: joel

User Administration

- View / Edit Users
- Add a User
- View User Activity
- Email Users

Network Maintenance

Mapping Tools

Profiles

Logical Groups

System Parameters

BranchNode Manager

Integration Management

System Messages

Add User

Add User	
Username:*	John Doe
Description:*	Lighting Engineering Manager
Email Address:*	john.doe@council.gov.uk
Role:*	viewer
Account active:*	true
Password:*	***** Strength: Medium
Verify Password:*	*****

- 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

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



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



Edit User: kevine

User Id: 2147483648

Username: kevine

Account created: 2010-07-28 10:04:14.0

Last login: 2010-07-28 12:44:13.0

Last logout: 2010-07-28 12:44:22.0

Account Details

Role: admin

Account active: false

User Details

Description: admin

Email Address:

Email Configuration

Allow Email Attachments: No

Accept reports via email: No

Accept UHF reports via email: No

Preferred email format: HTML

Receive no fault confirmation: No

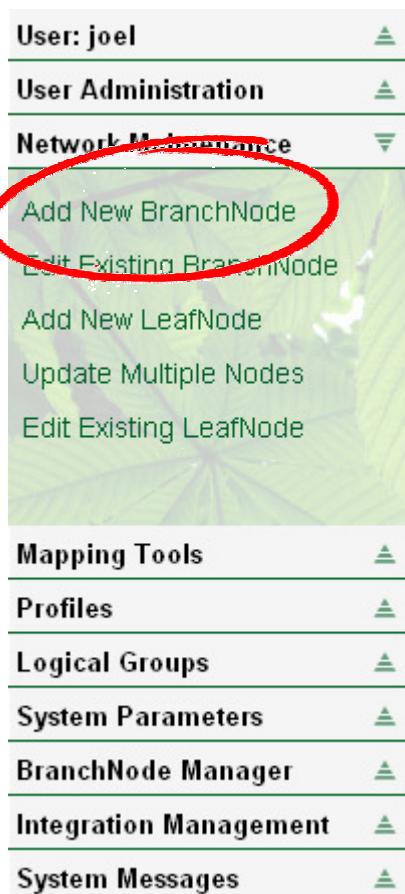
Password

Update User



Administration

• Adding a BranchNode



User: joel

User Administration

Network Maintenance

Add New BranchNode **(highlighted with a red circle)**

Edit Existing BranchNode

Add New LeafNode

Update Multiple Nodes

Edit Existing LeafNode

Mapping Tools

Profiles

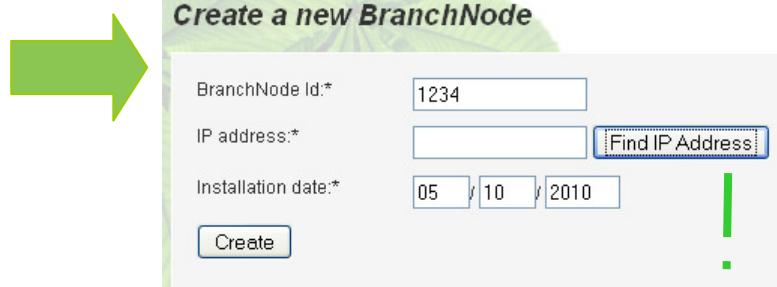
Logical Groups

System Parameters

BranchNode Manager

Integration Management

System Messages

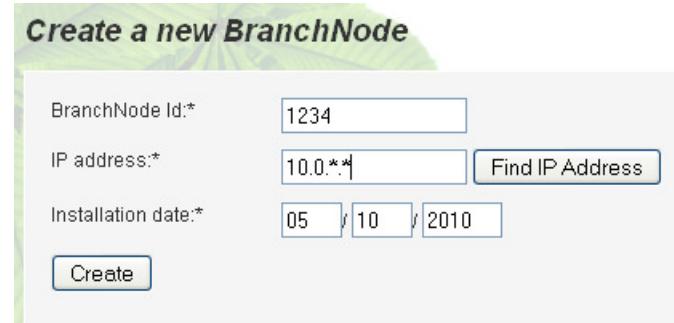


Create a new BranchNode

BranchNode Id: * 1234

IP address: *

Installation date: * 05 / 10 / 2010



Create a new BranchNode

BranchNode Id: * 1234

IP address: * 10.0.*.*

Installation date: * 05 / 10 / 2010

The IP address box will automatically complete itself when 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:

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

Light Level Trim Details

BranchNode Transmission Slot

Slot Number: 0*

BranchNode Transmission Power

Output Power: 7

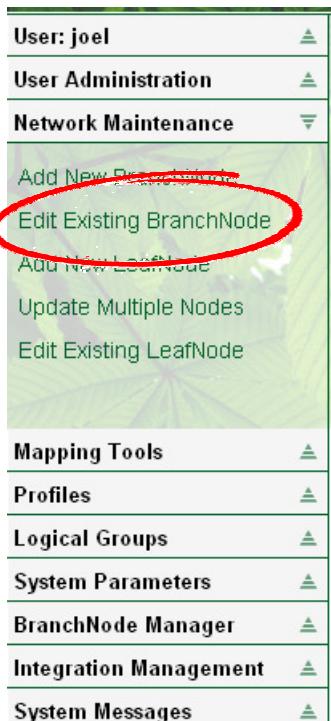
Create new BranchNode

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



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

Edit required BranchNode information as per “Add BranchNode” then select

Update BranchNode



Select



Edit an existing BranchNode



	Branch Id	Column	Street	City	Nodes Count	SDP Count	Slot	SDP Support	Active
C	2959	1	Westland Road	Leeds	2	0	9		<input checked="" type="checkbox"/> Yes

Administration

• Adding a LeafNode

The screenshot illustrates the process of adding a LeafNode. It starts with a left sidebar containing a navigation menu. A red circle highlights the 'Add New LeafNode' option under the 'Network Maintenance' section. A large green arrow points from this option to a central 'Add a new LeafNode' dialog box. The dialog box contains fields for 'Enter the LeafNode id*', 'Node Type*', and 'Search BranchNodes for*'. A red circle highlights the 'Create a new LeafNode' button. A green arrow points down from the dialog box to a 'LeafNode definition' and 'LeafNode location' form. The 'LeafNode definition' section includes fields for 'LeafNode id' (12345677), 'Node Type' (Standard Node), and 'BranchNode id' (2939). The 'LeafNode location' section includes fields for 'Column Id*', 'Column Installed*' (05 / 10 / 2010), 'Street 1*', 'Street 2*', 'City*', 'District*', 'Postcode*', 'Latitude' (0.0), 'Longitude' (0.0), and 'Notes'. A green box on the right contains the instruction: 'Input 8 digit LeafNode ID, select node type and enter the branch ID to which you wish to add it.' A green box at the bottom right contains the instruction: 'Fill in Location Details, making sure they are correct. Boxes marked * are compulsory.'

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:*

Standard Node

Search BranchNodes for*

Search by: BranchNode Id

Create a new LeafNode

LeafNode definition

LeafNode id: 12345677

Node Type: Standard Node

BranchNode id: 2939

LeafNode location

Column Id:*

Column Installed:*

05 / 10 / 2010

Street 1:*

Street 2:

City:*

District:

Postcode:

Latitude: 0.0

Longitude: 0.0

Notes:

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

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

Administration

• Adding a LeafNode pt. 2

LeafNode definition

LeafNode id: 12345677

Node Type: Standard Node

BranchNode id: 2939

LeafNode location

Column Id*:

Column Installed*: 05 / 10 / 2010

Street 1*:

Street 2:

City*:

District*:

Postcode:

Latitude: 0.0

Longitude: 0.0

Notes:

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.

Seven day profile details

Seven day profile: Default Profile One

Gear information

Ballast type: * Please select...

Ballast installation date: * 05 / 10 / 2010

Lamp type: * Please select...

Lamp installation date: * 05 / 10 / 2010

LeafNode role

Spatial Diversity Provider:

Solar Clock Trim Values

Sunrise Trim (+/- 59 Mins): 25

Sunset Trim (+/- 59 Mins): -25

Create a new LeafNode

Select Profile (See Profiles section).

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

Leave other values as default for now.