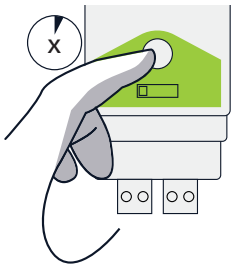
Instructions for use



DIN rail Button press intervals

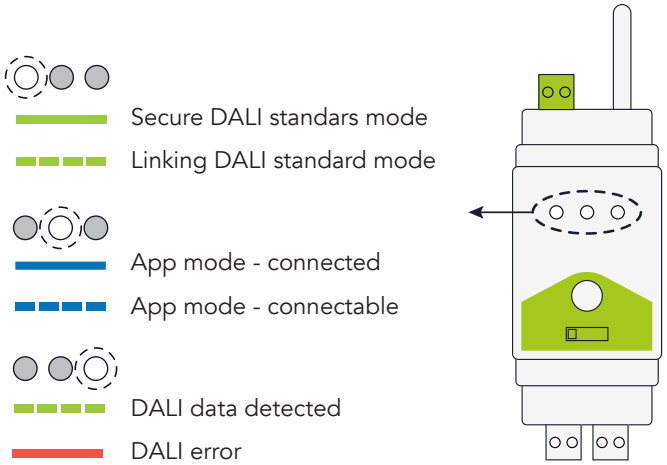
These will be referred to in later parts of the instruction.

P1 = push the button for 1s.
P5 = push the button for 5-10s.
P10 = push the button for 10-15s.
P15 = push the button for more than 15s.

DIN RAIL DEFAULT MODE

The following describes the LED indicators on the DIN rail unit when operating in Secure DALI Standard Mode (default mode, applicable in most use cases).

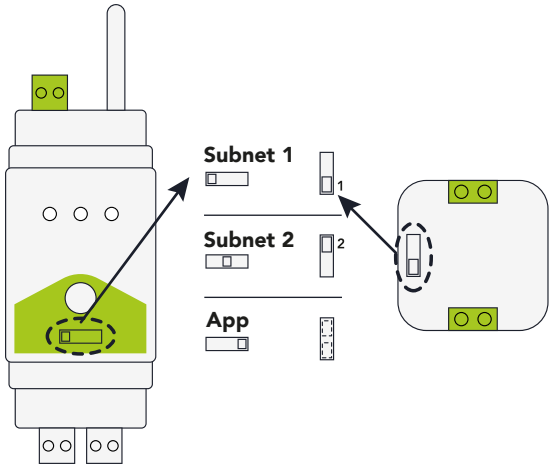
To set the DIN rail unit to Receiver Mode or switch to one of the special modes (White or Yellow), follow the steps described on page 6).



SUBNETS

When using the app for setting up the system, the subnet switch on the W-DALI Node can be set to any position. The subnet setting does not affect the configuration or operation during setup with the app. See page 2 for more details.

When **not using the app** for setup, the subnets (Subnet 1 and Subnet 2) on the W-DALI devices are used to create a mesh network. During linking, a W-DALI Node will join a DIN rail with the same subnet. See page 3 for more details.



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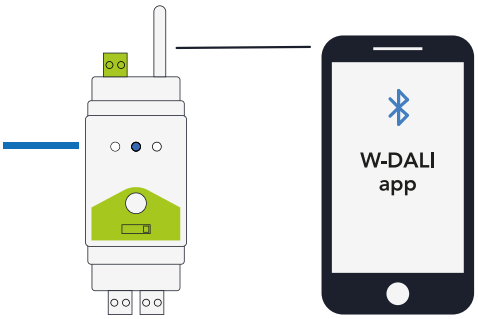
W-DALI SETUP WITH APP

The W-DALI app can be used for linking, unlinking, firmware upgrade and other operations.

To use the W-DALI app, follow these steps:

1. Set the DIN rail to app mode. Press the button on the front panel of the W-DALI DIN rail to be able to connect to the W-DALI app. The W-DALI DIN rail will become non-connectable again after one minute if a connection was not established, or if the button was pressed again.

2. Start the W-DALI app and scan for devices to establish a connection to the W-DALI DIN rail. When connected, pressing the button will disconnect.



3. The W-DALI app can now be used to find and connect to W-DALI nodes within Bluetooth range. The subnet on the W-DALI nodes can be in any position.

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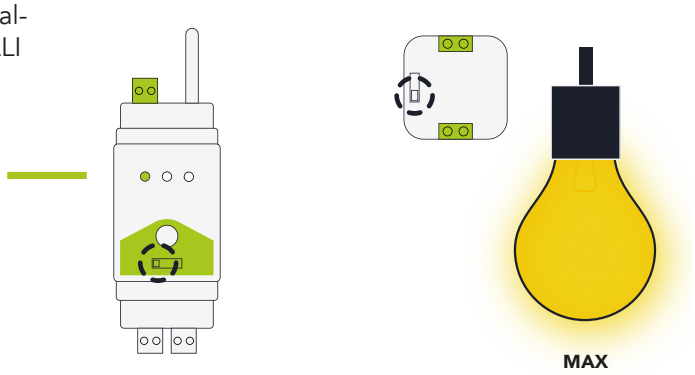
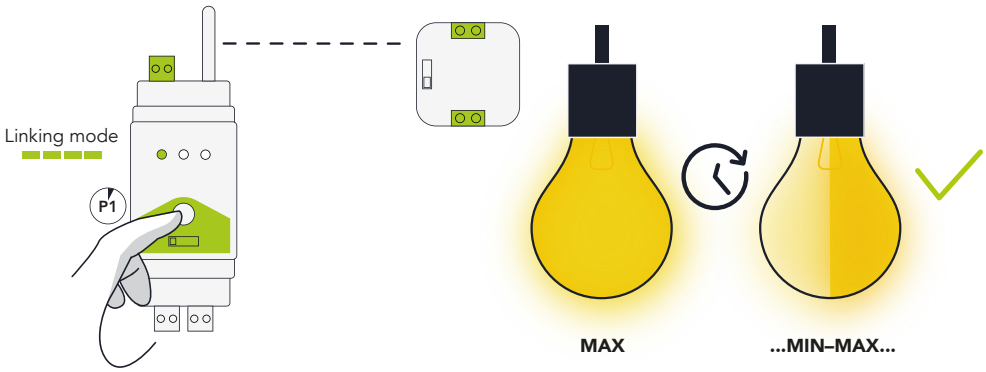
W-DALI LINKING WITHOUT APP

To manually link W-DALI nodes to the system, follow these steps:

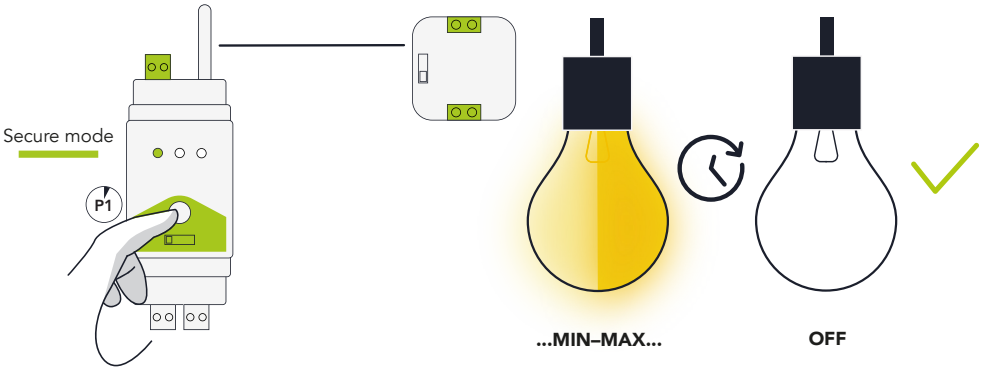
1. On both the W-DALI DIN rail and W-DALI node, set the subnet switch to either subnet 1 or 2. This will allow for simultaneous linking of two different W-DALI networks.



2. Press and release the button on the front panel of the W-DALI DIN rail within 5 seconds. The W-DALI nodes that receive the linking signal from the W-DALI DIN rail will start a pulsing fade with an intensity of MIN–MAX. Wait for all W-DALI nodes to join the system.



3. Once all nodes have joined, press the button again on the W-DALI DIN rail to stop the linking process and enter secure mode. Wait for all W-DALI nodes to join the system. Alternatively, if the button is not pressed, the W-DALI DIN rail and joined nodes will automatically enter secure mode after 1 hour.



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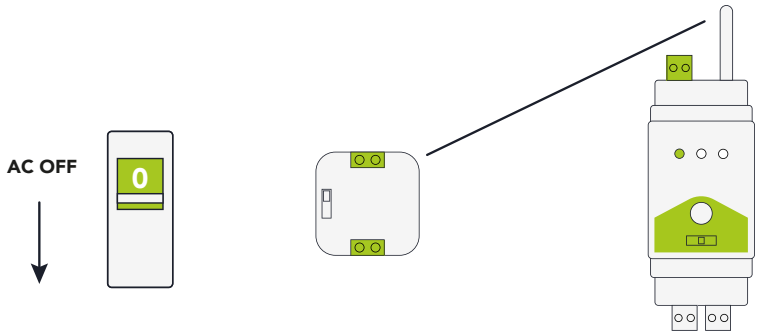
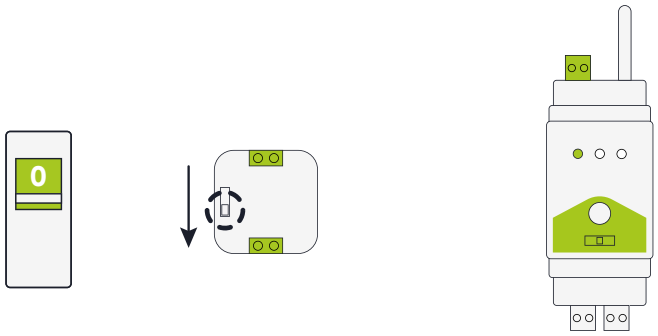
To unlink W-DALI nodes, follow these steps:

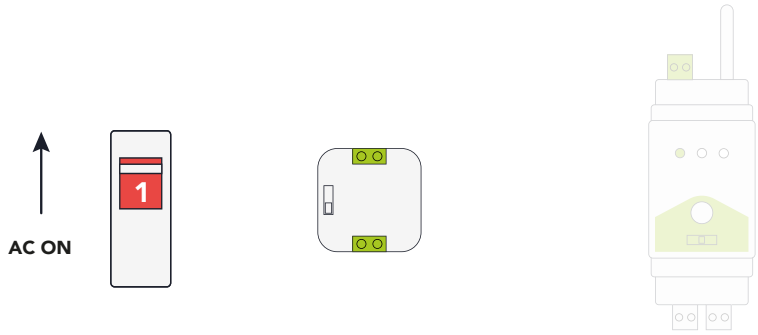
1. Disconnect the power supply to the W-DALI node that needs to be unlinked.



2. Change the position of the switch to the opposite setting.



3. Restore power to the W-DALI node. The W-DALI node is now unlinked and ready to be linked again.



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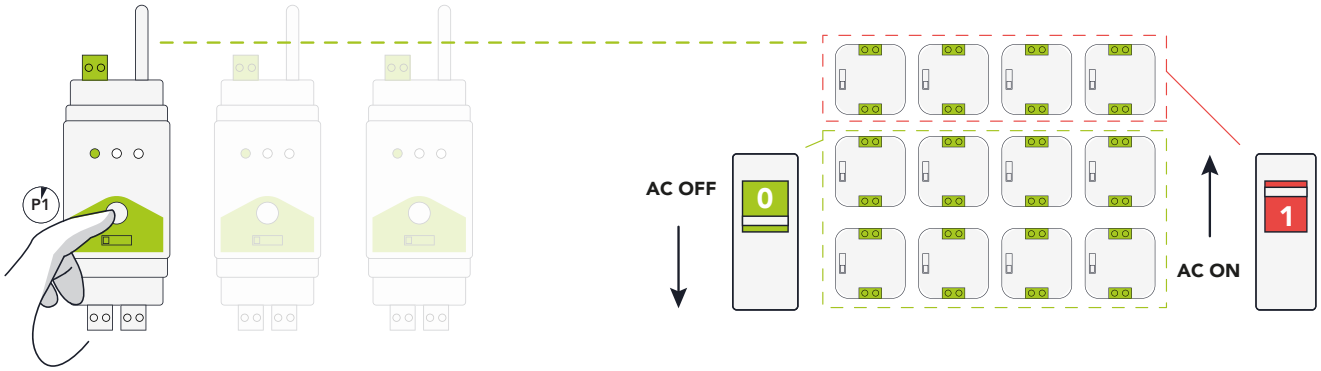
An alternative method for manually linking W-DALI nodes in systems with more than 2 subnets:

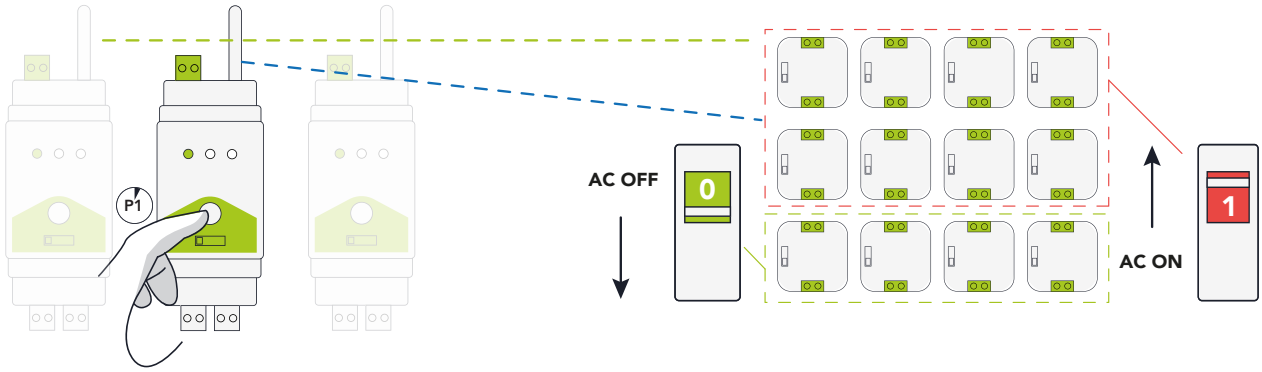
1. Disconnect the power supply to the W-DALI node that should not be linked.

2. Press and release the button on the front panel within 5 seconds of the first W-DALI DIN rail.

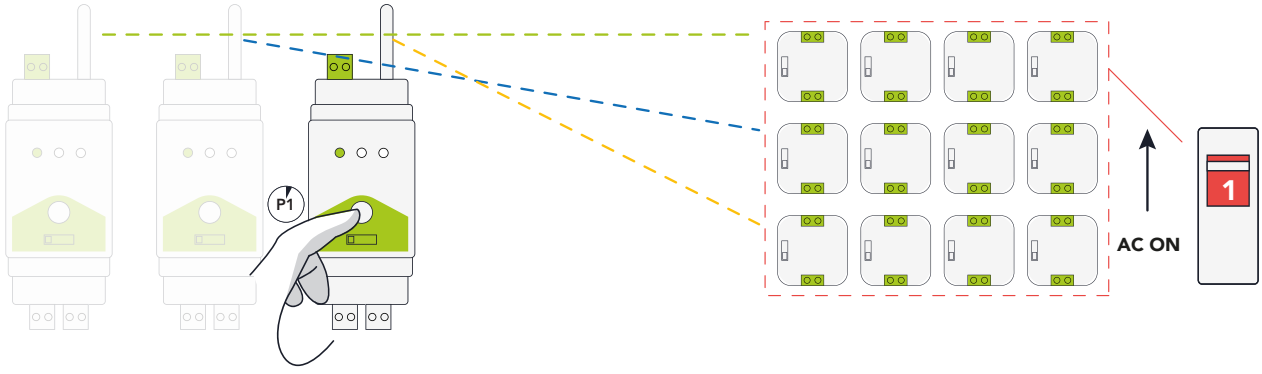


3. Wait for all W-DALI nodes to join the system.

4. Once all nodes have joined, press the button again on the W-DALI DIN rail to stop the linking process and enter secure mode.



5. Restore power to the next batch of W-DALI nodes that should be linked to the next W-DALI DIN rail. There is no need to disconnect power to the already linked W-DALI nodes.



6. Repeat steps 2 to 5 until all W-DALI nodes have been linked.

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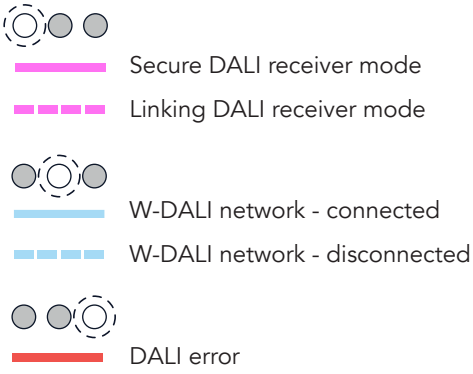
DIN RAIL SPECIAL MODES

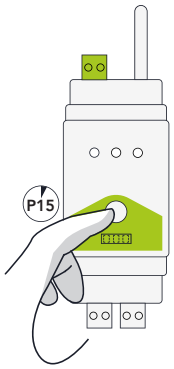
DIN rail receiver mode

Configuring the DIN rail unit in Receiver Mode assigns it the same attributes as a W-DALI node, allowing it to function as a mesh node within the system.

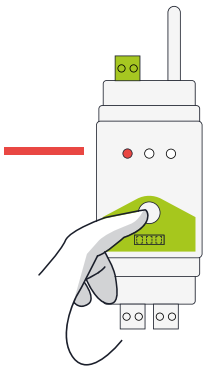


How to Activate Receiver Mode:

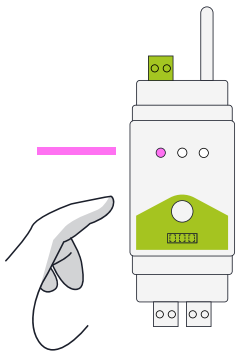
1. Press and hold the button on the front panel for at least 15 seconds (P15).



2. The Mode LED will first turn RED. Do not release the button until the LED has turned MAGENTA.



3. Once the LED turns MAGENTA, the configuration is successful.



To go back to default mode, perform a factory reset of the unit. Please see page 8 for reference.

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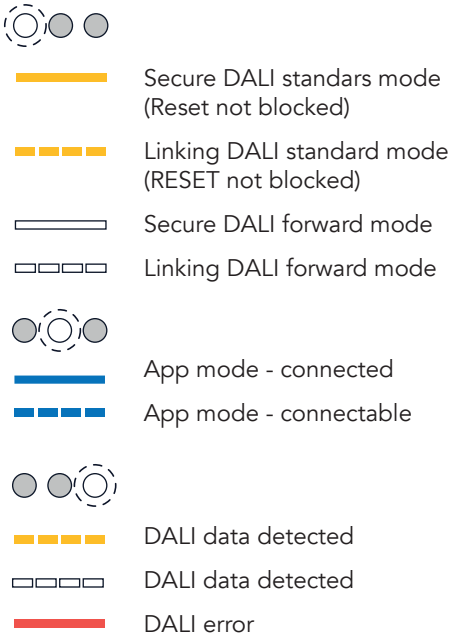
DIN Rail Yellow and White Mode

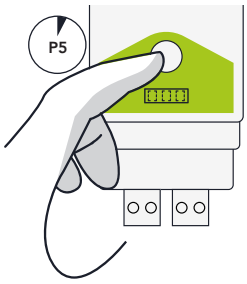
Yellow Mode: Functions the same as Default Mode, but allows the DALI RESET command.

White Mode: Activates DALI Forward Mode, suitable for basic lighting control setups where DALI queries or events are not used.

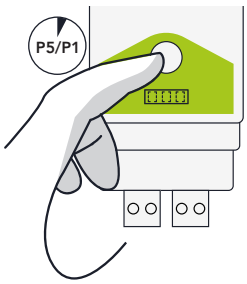


To switch between default (green), Yellow and White mode, follow these steps:

1. Press and release the button on the front panel for 5-10s (P5).



2. Press and release the button on the front panel, either for 5-10s (P5) **OR** for 1s (P1), depending on the mode you are configuring.



Green/Yellow ↔ White

: P5+P5

Green ↔ Yellow

: P5+P1

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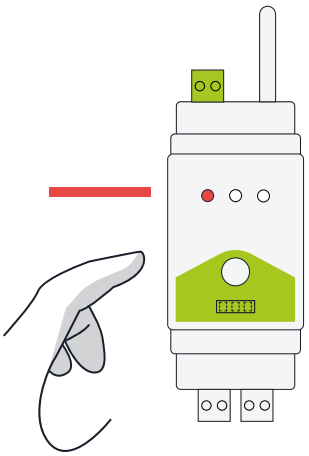
DIN RAIL FACTORY RESET

Factory reset will restore the W-DALI DIN rail to its original state by erasing all user settings.

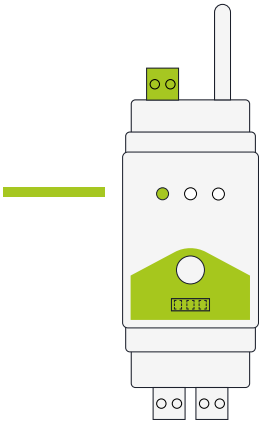
To do a factory reset, follow these steps:

1. Press and hold the button on the front panel for 10-15s (P10).

2. When the mode LED turns red, release the button to do a factory reset.



3. Wait for the W-DALI DIN rail to restart.



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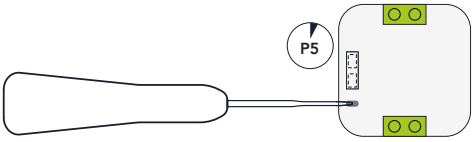
NODE FACTORY RESET

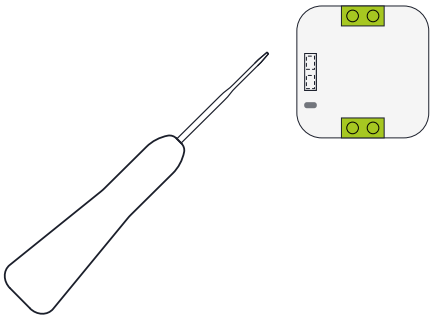
Factory reset will restore the W-DALI node to its original state by erasing all user settings. This will also unlink the node.

To do a factory reset, follow these steps:

1. Press and hold the button on the front panel for at least 5 seconds.



2. Release the button to do a factory reset. The W-DALI node will then restart.



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