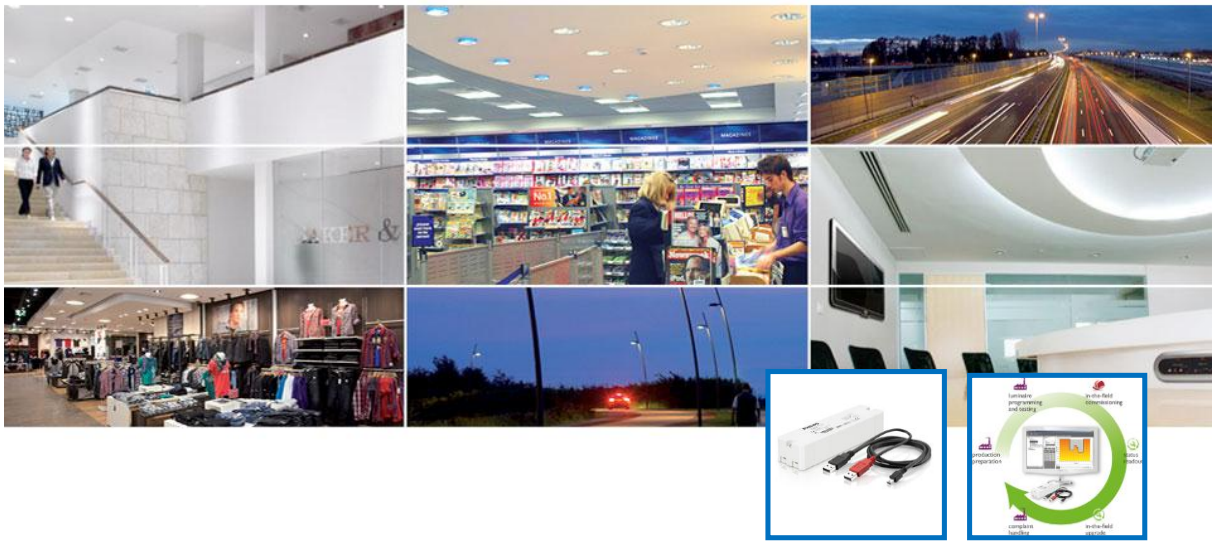
PHILIPS



MultiOne

Getting started

1 Introduction

This Getting Started guide covers the following topics to help you start using MultiOne:

- The system
- The MultiOne software
- Working with the MultiOne interface (USB2DALI)
- Working with the MultiOne interface (USB2ZigBee)

For detailed information, consult the MultiOne user manual.

2 Table of contents

3 The system

With MultiOne, you can configure all features that are supported by a specific Philips device. A feature typically belongs to one or two device families (LED Indoor/Outdoor, HID or FLUO), but this does not mean that every device from a device family does support all features. Philips MultiOne is supported by Windows XP + SP3 and Windows 7 operating systems. It works only in combination with the Philips LCN8600 MultiOne interface USB2DALI or with Philips LCN8650 MultiOne interface USB2ZigBee.

3.1 DALI

The MultiOne system for DALI devices consists of the following components:

- Philips LCN8600 MultiOne interface USB2DALI, the interface between the PC and the DALI devices.

- USB cable, to connect the PC with the MultiOne interface USB2DALI.

- MultiOne software, to be installed on the PC or laptop.
  See next chapter.

3.2 ZigBee

The MultiOne system for ZigBee devices consists of the following components:

- Philips LCN8650 MultiOne interface USB2ZigBee, the interface between the PC and the ZigBee devices.

- MultiOne software, to be installed on the PC or laptop.
  See next chapter.

4 MultiOne software

4.1 Download

A zip-file can be downloaded from www.philips.com/MultiOne. This zip-file contains the following files:

- The MultiOne installation file
- The MultiOne Basic installation file
- The Getting Started document
- The readme file

4.2 Minimum system requirements

Before installing, make sure that the PC or laptop complies with the minimum system requirements for using MultiOne:

- Windows PC or laptop
- Microsoft Windows XP + SP3 or Windows 7
- USB 2.0 port(s)
    - Two free USB 2.0 ports for use with MultiOne interface (USB2DALI)
    - One free USB 2.0 port for use with MultiOne interface (USB2ZigBee)
- At least 30 MB of free disk space
- Microsoft .NET Framework 3.5 SP1 (download here)

4.3 Installing

The MultiOne installation file is the installer for the full version of MultiOne. The MultiOne Basic installation file is the basic version of MultiOne, which is meant to be used in a production environment. This version has reduced functionality.

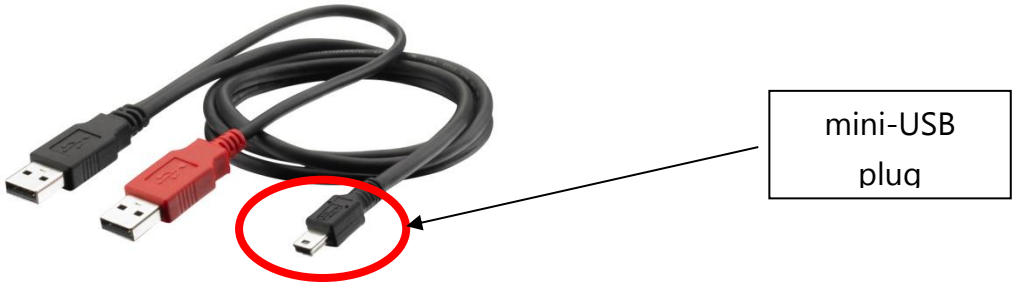
To install the software, launch the installation file for the desired version and follow the instructions on your screen.
The installation wizard will guide you through the process of installing the software and will ask you where the software needs to be installed, if you want a shortcut on your desktop and it will also create a new program group in your Start Menu. At the end, it will give you the choice to immediately start MultiOne.

5 Working with the Philips LCN8600 MultiOne interface USB2DALI

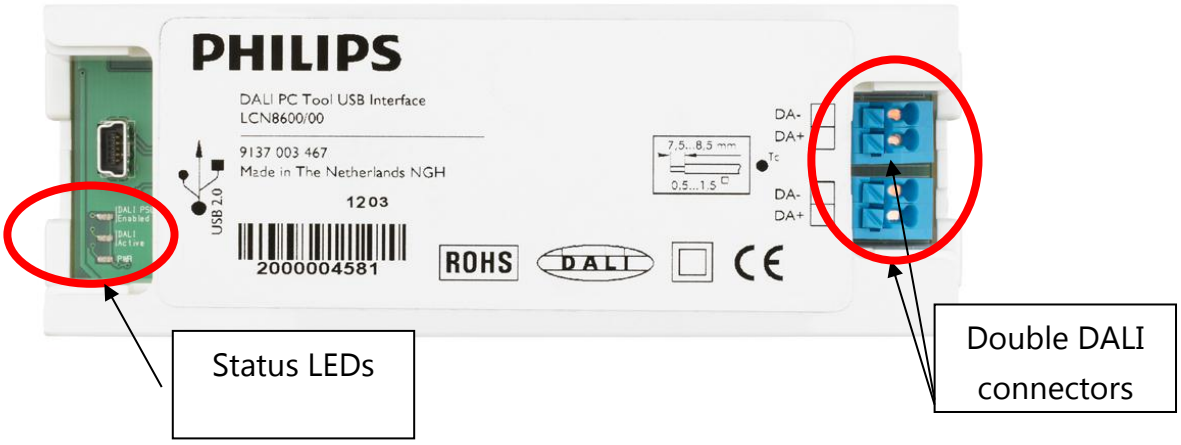
5.1 Connecting the MultiOne interface (USB2DALI)

Before launching MultiOne, make sure the MultiOne interface (USB2DALI) is connected. First connect both USB plugs (USB-A) of the provided cable into your PC's USB ports. When only one USB port is available, connect the black USB plug.

Second, connect the other end of the cable (mini-USB) to the MultiOne interface.



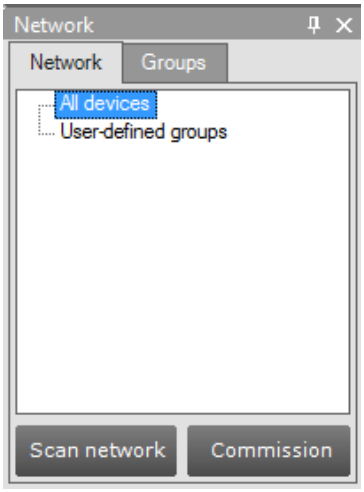
Connect the MultiOne interface to a (network of) DALI device(s), using the double DALI connectors (WAGO 250 connectors). The double DALI connectors allow a wiring scheme in which the MultiOne interface is wired in a sequence together with other DALI devices (daisy chain).



Finally make sure that the DALI devices are connected to the mains.

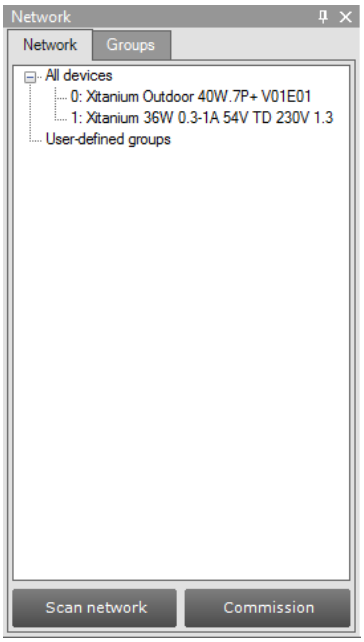
The status LEDs have the following meaning:
Green led: is on when the MultiOne interface is powered
Red led: is on when the DALI power supply is on
Orange led: blinks when there is DALI communication

5.2 Commissioning and scanning a DALI network



When starting MultiOne, the DALI devices connected to the MultiOne interface are not automatically identified. There are two methods for identifying the devices. There are two buttons in the **Network** tab on the left-hand side of the application window: **Scan network** and **Commission**.

- **Scan network**: all devices are scanned for their short addresses. This procedure does not change any short addresses or other properties of the connected devices. In order to identify a device, a short address is needed; devices without a short address are being assigned with one. When two or more devices have the same short address, a warning is given.
- **Commission**: all devices are given a new short address, starting at 0. Be aware that existing short addresses are erased and new short addresses are re-assigned to all devices connected. This procedure ensures that all devices have a short address and that there are no duplicate short addresses.

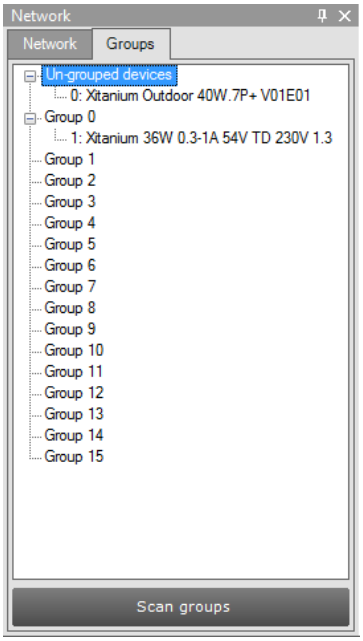


After commissioning or scanning the network, the list of identified devices is shown in the **Network** tab.

5.3 Selecting devices for communication

After having commissioned or scanned the network, the **Network** tab shows all devices present in the DALI network. By clicking on a device you will make that particular device the active one, meaning that all commands will be sent to this device only, and will be ignored by all other devices. Besides selecting a single device for communication, it is also possible to communicate with multiple devices. The options are:

- All devices in the network. Select **All devices**. All commands will now be sent as broadcast commands. Note that unidentified DALI devices will also respond to commands.
- All user-defined groups. Select **User-defined groups**. All commands will now be sent to devices that belong to a user-defined group.
- A specific user-defined group. Expand **User-defined groups** and select the desired user-defined group. All commands will now be sent to devices that belong to this specific user-defined group.

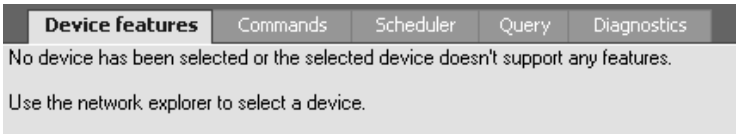


Once all the drivers in the DALI network are known, it is possible to work with DALI groups. Select the **Groups** tab and press **Scan groups.** After having scanned the network, the **Groups** tab shows all the DALI groups and the found devices for every group.

By clicking on a device you will make that particular device the active one, meaning that all actions will be performed on this device only, and will be ignored by all other devices. Besides selecting a single device for communication, it is also possible to communicate with a group of devices. Select G**roup n**. All commands will now be sent to devices that belong to this specific DALI group.

5.4 Configuring device features

In the main application window, click the **Device features** tab. The content of this tab depends on the device that has been selected in the **Network** tab. If a device does not support any feature, a message will be displayed. If a group of devices is selected, no features will be shown since it is not possible to configure features for multiple devices at once[1].



[1] To configure device features for multiple devices you can use virtual devices. Please be referred to the MultiOne user manual for details.

Upon selecting a device in the **Network** tab, the **Device features** tab displays the features that are supported by this device. After selecting another device, the **Device features** tab is updated to show only the features supported by the newly selected device. You will have to click the **Read** button to see the exact configuration.

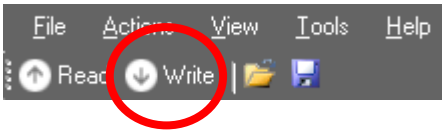
Use the various graphs, sliders and input boxes to configure the various feature parameters.

For detailed information on device features, please be referred to the MultiOne user manual.

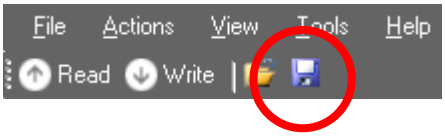
5.5 Reading and writing device features

The **Device features** tab can do two things: display the feature configuration currently stored in a device, and write a new feature configuration to the device.

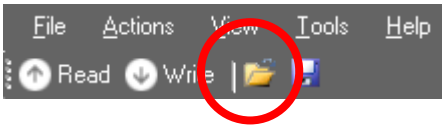
To display the current feature configuration stored in a device, select the device in the **Network** tab. The device features of the selected device are shown at the **Device features** tab. Click the **Read** button in the toolbar. A dialog window pops up in which you can make a selection of device features to be read. Make a selection and click **Read**. After a few seconds the current feature configuration is shown on the **Device features** tab. The feature configuration can now be adjusted manually.



To write the feature configuration to a device, click the **Write** button in the toolbar. A dialog window pops up in which you can make a selection of device features to be written. Make a selection and click **Write**. After a few seconds the status bar will indicate that the data was successfully written.



To save the current feature configuration to a file, click the **Save** icon on the toolbar or select **File → Save as**. Enter a file name and a location and click **Save**.



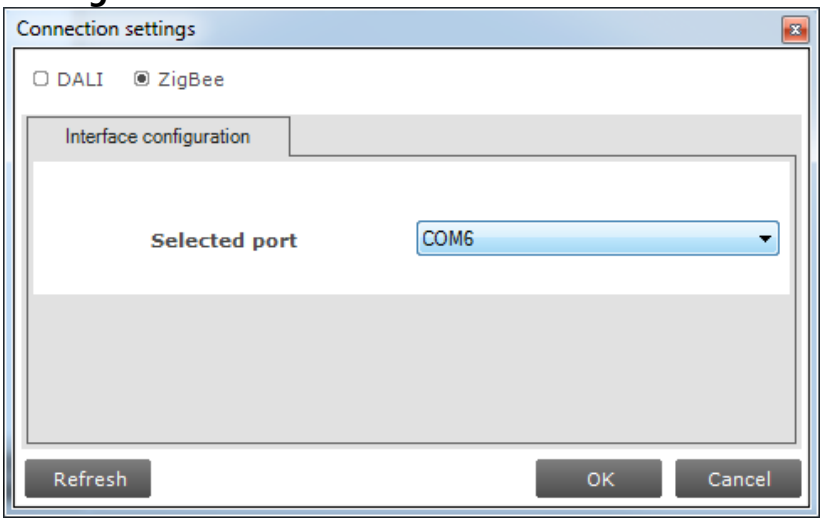
To load a stored feature configuration from a file, click the **Open** icon on the toolbar or select **File → Open**. Locate the configuration file and click **Open**.

For detailed information on feature configuration and saving and loading configuration files, consult the MultiOne user manual.

6 Working with the Philips LCN8650 MultiOne interface USB2ZigBee

6.1 Connecting the MultiOne interface (USB2ZigBee)

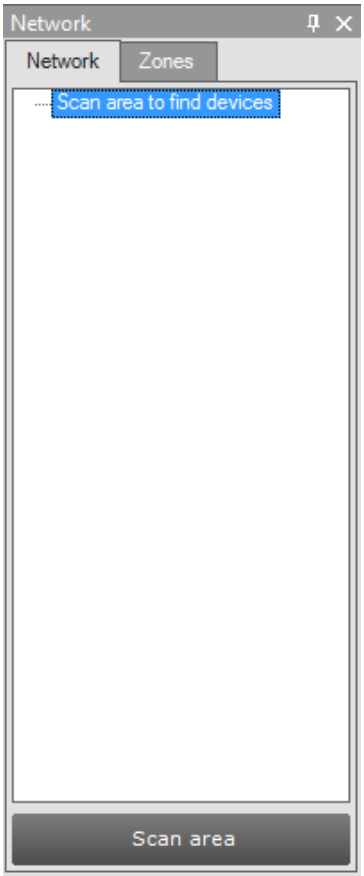
Before launching MultiOne, make sure the MultiOne interface (USB2ZigBee) is connected.
When MultiOne is started you need to make sure that the MultiOne interface (USB2ZigBee) is used. This can be done by going to the **Tools → Connection settings.**



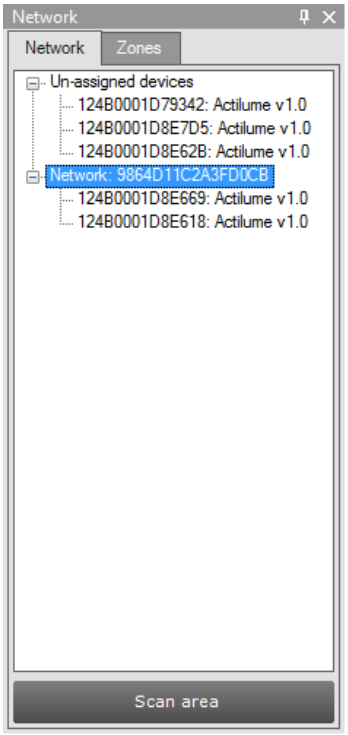
In the pop-up window select **ZigBee** as the desired interface, select the port to which you connected the MultiOne interface (USB2ZigBee) and click **OK**.

6.2 Scanning a ZigBee area

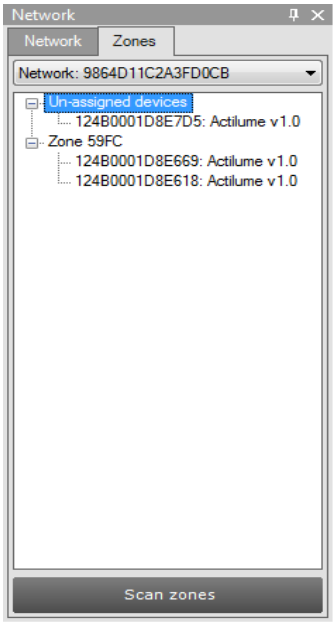
After selecting the desired MultiOne interface, the ZigBee devices and networks in the area of the MultiOne interface ace are not automatically known. To find the devices and networks in the area press **Scan area**: the area is scanned for all devices and networks which are in range. After scanning the area, the found devices and networks are shown in the **Network** tab.



6.3 Selecting devices for communication



After having scanned the area, the **Network** tab shows all devices and networks in range of the MultiOne interface. By clicking on a device or network you will make that particular device or network the active one, meaning that all actions will be performed on this device or network only, and will be ignored by all other devices or networks.



Once you have scanned the area and found devices and networks in range, it is possible to scan a specific network for zones. Select the **Zones** tab, select the **Network** and press **Scan zones.** After having scanned the network, the **Zones tab** shows the found devices and zones within the specified network.

By clicking on a device or zone you will make that particular device or zone the active one, meaning that all actions will be performed on this device or zone only, and will be ignored by all other devices.

For detailed information on devices, networks and zones, please be referred to the MultiOne user manual.

6.4 Configuring device features

This is not yet supported.

6.5 Reading and writing device features

This is not yet supported.

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