



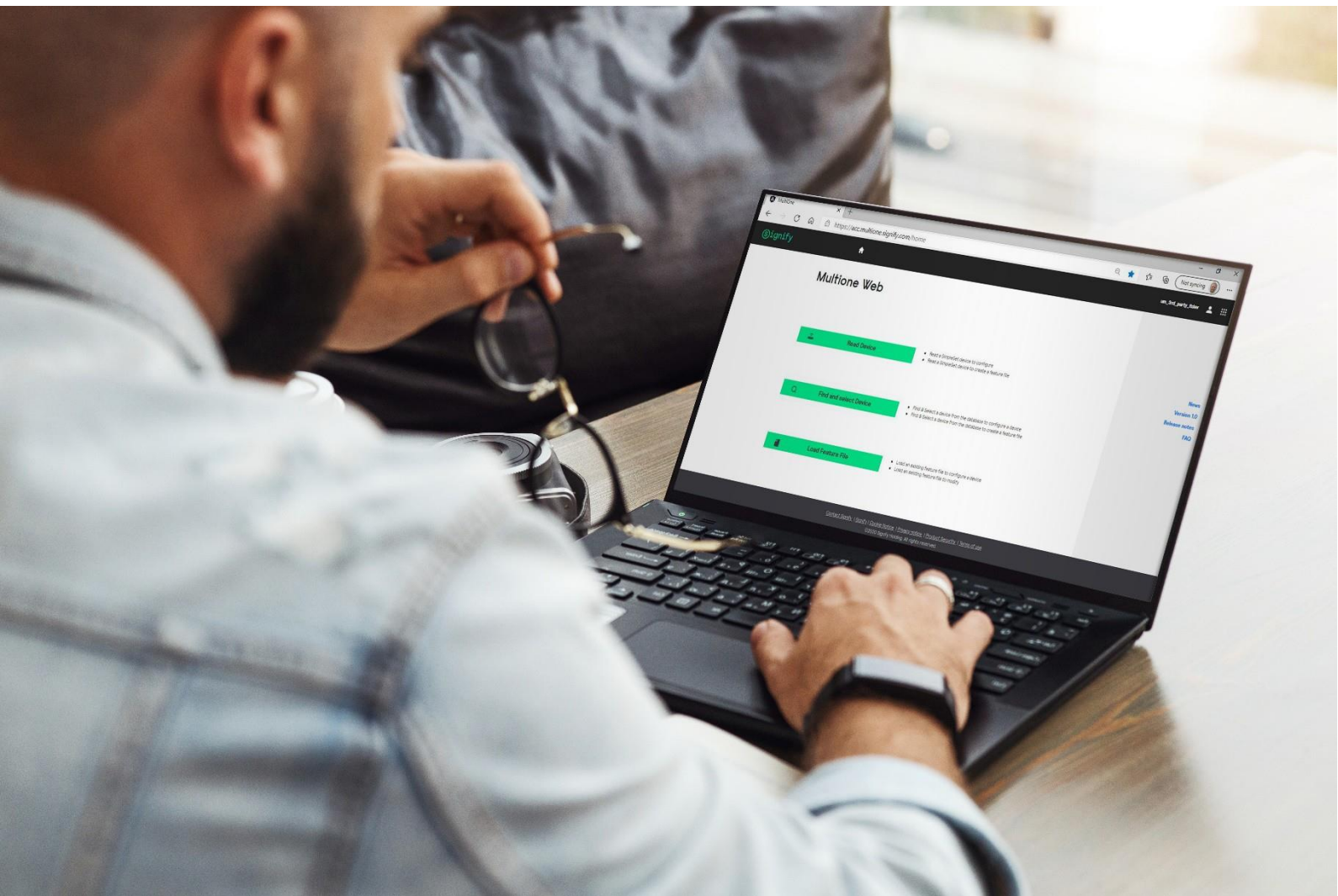
MultiOne

by **Signify**

Windows

Configuration tooling

Getting started



“Configurability enables flexibility and differentiation”

Introduction

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

- The MultiOne System
- The MultiOne Software
- USB2DALI Interface
- USB2ZigBee Interface
- SimpleSet Interfaces
- Art-Net

More detailed information available in MultiOne Engineering/Workflow User Manual

User manuals

[20221017-usermanual-multione-engineering.pdf \(signify.com\)](#)

[20221017-usermanual-multione-workflow.pdf \(signify.com\)](#)

Table of Contents

Introduction 2

The MultiOne System..... 4

MultiOne software 6

Working with the LCN8600 MultiOne interface USB2DALI7

Working with the LCN8650 MultiOne interface USB2ZigBee.....12

Working with the MultiOne SimpleSet interface(s) 14

Working with Art-Net16

Disconnected interface 17

Configuring device features 17

Copyright19

Disclaimer.....19

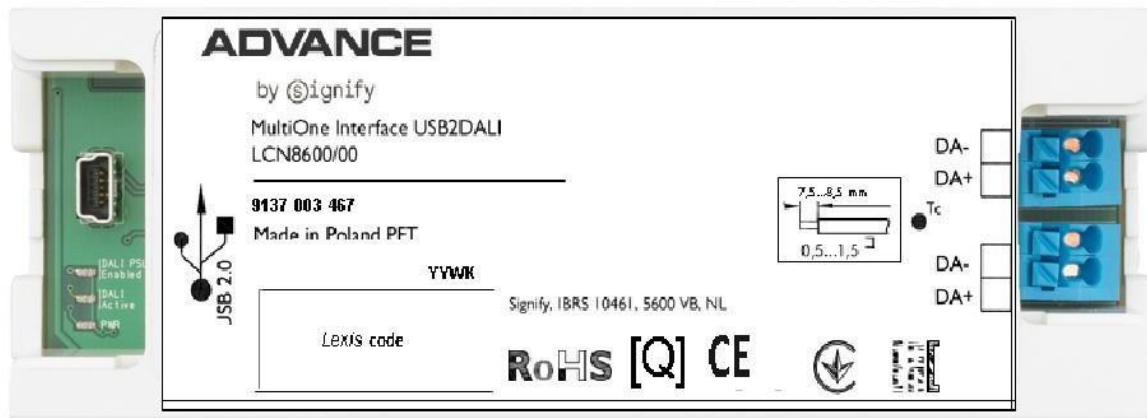
Limitations of damages19



The MultiOne System

With MultiOne, you can configure all features that are supported by a specific Philips or Advance device. A feature typically belongs to one or two device families (LED Indoor/Outdoor, HID or FLUO), but every device from a device family does not support all features. MultiOne only works in combination with MultiOne Interfaces LCN8600 USB2DALI, LCN8650 USB2ZigBee, LCN9610, LCN9620 or LCN9630 MultiOne interface SimpleSet.

LCN8600 - USB2DALI Interface



The MultiOne System for DALI devices consists of the following components

- LCN8600, the interface between the PC and the DALI devices.
- USB cable



- MultiOne software
- DALI devices supported by MultiOne Engineering and by MultiOne Workflow

LCN8650 - USB2ZigBee Interface

The MultiOne system for ZigBee devices consists of the following components

- LCN8650, the interface between the PC and the ZigBee devices.



- MultiOne software, to be installed on the PC or laptop.
- ZigBee device supported by MultiOne Engineering

Please note that ZigBee is not supported by MultiOne Workflow.

LCN9610, LCN9620 and LCN9630 - USB2NFC SimpleSet Interface

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

- The LCN9610, LCN9620 and/or LCN9630, the interface between the PC and the SimpleSet devices

LCN9610



LCN9620



LCN9630



- USB-A to USB-B cable to connect the PC with the SimpleSet interface.
- MultiOne software, to be installed on the PC or laptop. See next chapter.
- SimpleSet device supported by MultiOne Engineering and by MultiOne Workflow

Art-Net

- The MultiOne system for Art-Net does not require specific components. For example: MultiOne works with drivers connected via Luminex controller.
- It requires MultiOne Software to be installed on PC or Laptop.
- It is only supported by MultiOne Engineering and not by MultiOne Workflow.

MultiOne software

Download

MultiOne Engineering and MultiOne Workflow can be downloaded from the website or the portals.

Website – <https://www.signify.com/multioneconfigurator>.

OEM tools portal – [Login | Tools \(signify.com\)](#)

My Technology Portal – [Login | My Technology Portal EMEA \(signify.com\)](#)

The downloaded Zipped folder consists of the following:

- The MultiOne Engineering/Workflow Installation file
- The Getting started document
- The User manual
- The readme file

Minimum system requirements

Before installing, make sure the PC or Laptop complies with the minimum system requirements

- MultiOne is supported by Windows 8, 8.1, 10 and 11
- One or multiple USB 2.0 port(s):
 - Two free USB 2.0 ports for use with USB2DALI interface
 - One free USB 2.0 port for use with USB2ZigBee interface
 - One free USB 2.0 port for use with SimpleSet interface
- Ethernet port
 - One free Ethernet port for use with Art-Net protocol
- At least 45MB of free disk space
- Microsoft .NET Framework 4.6.1 (download here for offline installation)

Installing

The MultiOne installation file is the installer for the full version of MultiOne. The MultiOne Workflow installation file is the version of MultiOne which is meant to be used in a production environment.

To install the software, launch the installer for the desired version and follow the instructions on your screen.

NOTE: Make sure that all MultiOne interfaces are disconnected before installing.

The installation wizard will guide you through the process of installing the software and will ask you where the software needs to be installed. At the end, it will give you the option to immediately start MultiOne.

Working with the LCN8600 MultiOne interface USB2DALI

Connecting the USB2DALI interface

Before launching MultiOne, make sure the USB2DALI interface 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.



or



2 x USB-A plug

Second, connect the other end of the cable (mini-USB) to the USB2DALI interface.

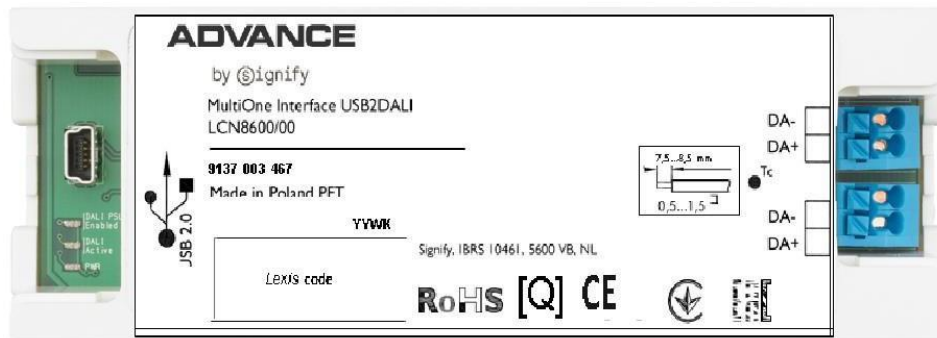


or



mini- USB plug

Connect the USB2DALI 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 USB2DALI interface is wired in a sequence together with other DALI devices (daisy chain).



Status LEDs

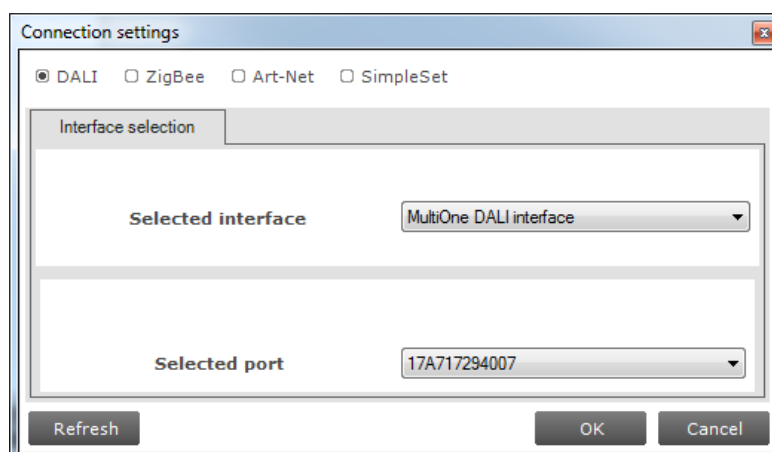
Double DALI connectors

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

The status LEDs have the following meaning:

- Green LED: is on when the USB2DALI interface is powered.
- Red LED: is on when the DALI power supply is on.
- Orange LED: blinks when there is DALI communication.

When MultiOne is started you need to make sure the USB2DALI interface is used. This can be done by going to the **Tools => Connection settings...**



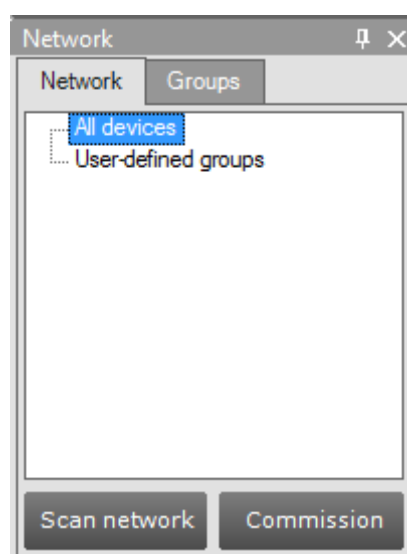
In the pop-up window select **DALI**; select the port to which you connected the USB2DALI interface and click **OK**.

Notice! The unique id of the interface is shown at the port selection. This, to be able to identify which interface is used by which MultiOne instance (when configuring devices in parallel using multiple instances of MultiOne).

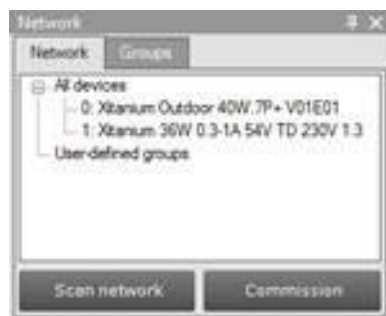
Scanning and commissioning a DALI network

When starting MultiOne, the connected DALI devices to the USB2DALI interface are not automatically identified. 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. 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.



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 device the active one, meaning that all commands will be sent to this device only, and will be ignored by all other devices.

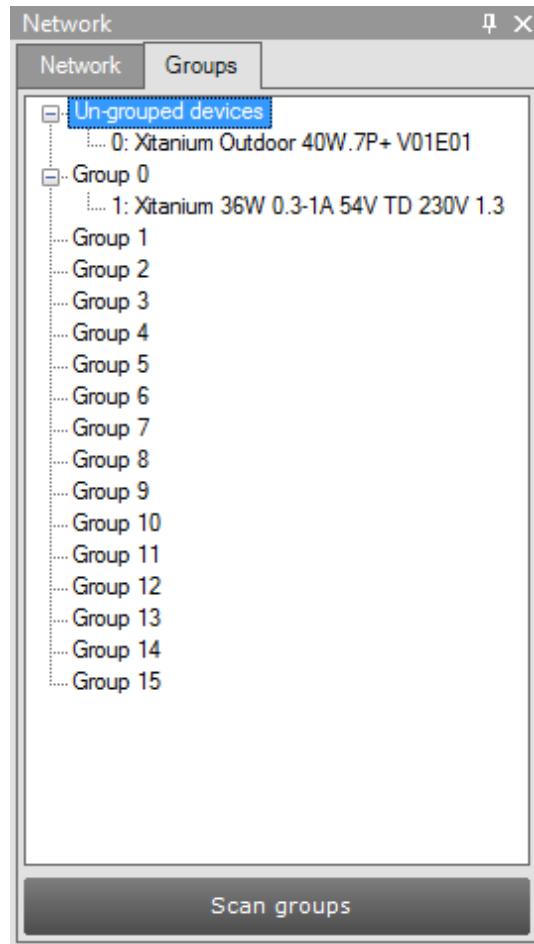
Besides selecting a single device for communication, it is also possible to communicate with multiple devices.

The options are:

- Select All devices. All commands will now be sent as broadcast commands. Note that unidentified DALI devices will also respond to commands.
- Select User-defined groups. All commands will now be sent to devices that belong to a user-defined group.
- Expand or create 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.

DALI groups

When 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 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 **Group n**. All commands will now be sent to devices that belong to this specific DALI group.

Working with the LCN8650 MultiOne interface USB2ZigBee

Connecting the USB2ZigBee interface

Before launching MultiOne, make sure the USB2ZigBee interface is connected and make sure the ZigBee devices are connected to the mains.

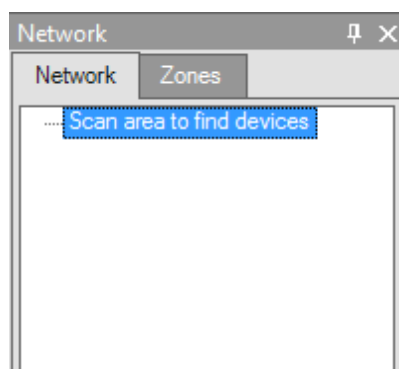
When MultiOne is started you need to make sure the USB2ZigBee interface is used. This can be done by going to the **Tools => Connection settings....**



In the pop-up window select **ZigBee**; select the port to which you connected the USB2ZigBee interface and click **OK**.

Scanning a ZigBee area

After selecting the USB2ZigBee interface, the ZigBee devices, and networks in the area of the interface are not automatically known.

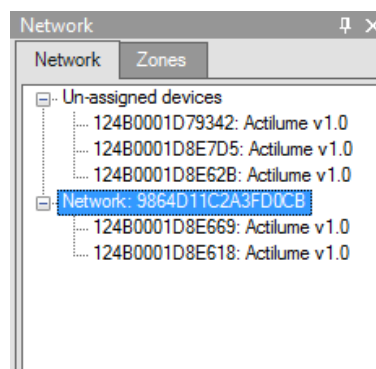


To find the devices and networks in the area press **Scan area**: the area is scanned for all devices and networks which are in range. After scanning the area, the found devices and networks are shown in the **Network** tab.

Selecting devices for communication

After having scanned the area, the **Network** tab shows devices and networks in range of the USB2ZigBee interface.

By clicking on a device or network you will make that 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 a 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 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 and zones.

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

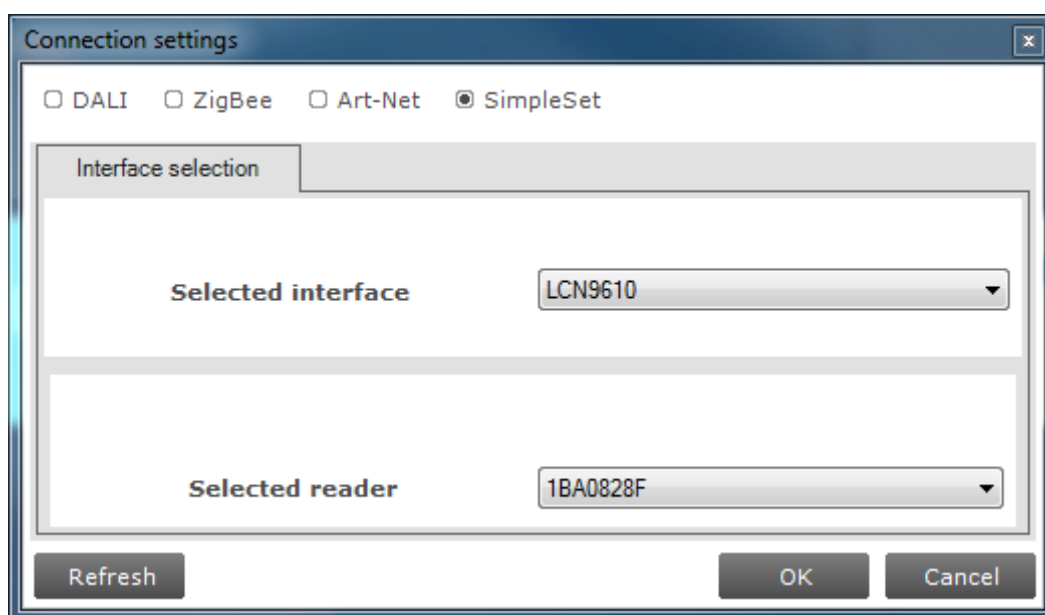
Working with the MultiOne SimpleSet interface(s)

Connecting the SimpleSet interface

Before launching MultiOne, make sure the SimpleSet interface is connected.

NOTE: If a device is to be powered during configuring, make sure it is connected to the mains ground. Without the ground connection, reliable communication may not be achieved.

When MultiOne is started you need to make sure the SimpleSet interface is used. This can be done by going to the **Tools => Connection settings....**



In the pop-up window select **SimpleSet**, select the interface, select the reader (in case of a FEIG interface) and click **OK**.

Notice! The unique id of the interface is shown at the reader selection. This, to be able to identify which interface is used by which MultiOne instance (when configuring devices in parallel using multiple instances of MultiOne).

Scanning a SimpleSet device

After selecting the SimpleSet interface, a SimpleSet device near the interface is not automatically known by MultiOne.



To get the device press Scan for device; touch and hold the SimpleSet interface close to the device until the scan has completed, if needed, a pop-up will appear indicating the device and the SimpleSet interface must touch. The scanned device will be shown in the Network panel.

Selecting devices for communication

After having scanned the SimpleSet device, the Network tab shows the device.



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

Auto read

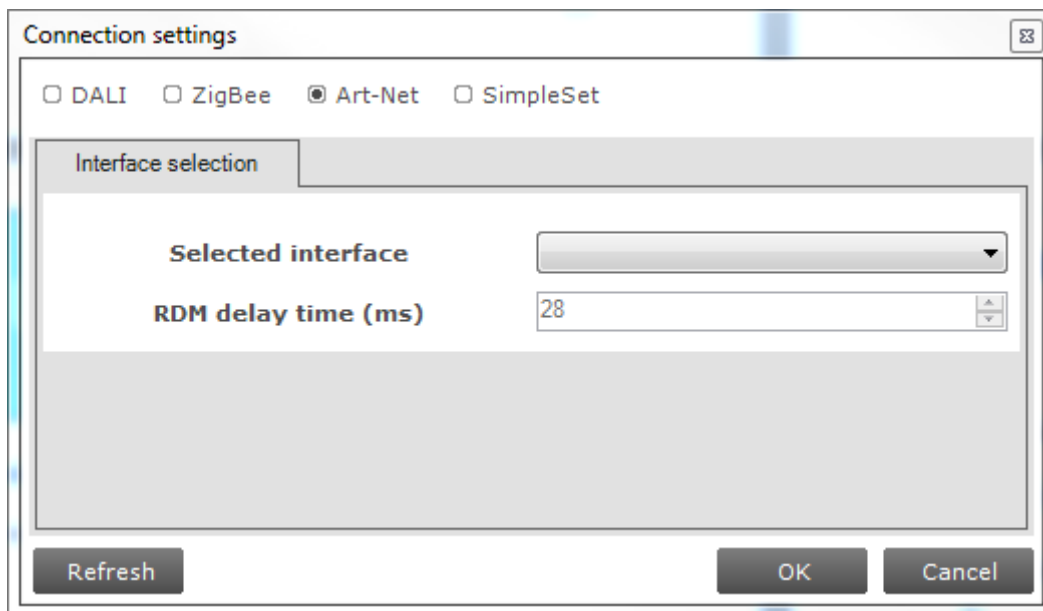
After a device gets selected all features are shown on the Features tab and auto read gets activated. Auto read automatically start reading the configuration of all features. Progress is shown.

Note! If the SimpleSet interface is not close to the device, Auto read will not work.

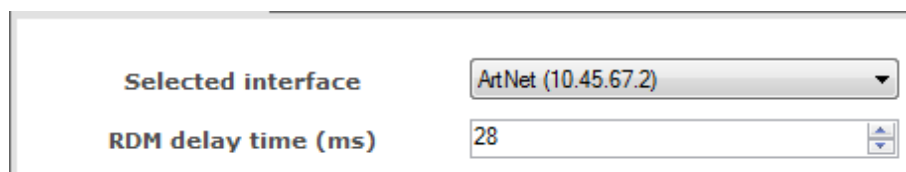
Auto read does not work for devices connected with DALI. Click the 'Read' option on the tool bar to read the configuration parameters.

Working with Art-Net

First select the protocol: Art-Net.



For the Art-Net protocol the delay time between sending frames is shown in the dialog. This delay time is set to 28ms and cannot be changed.

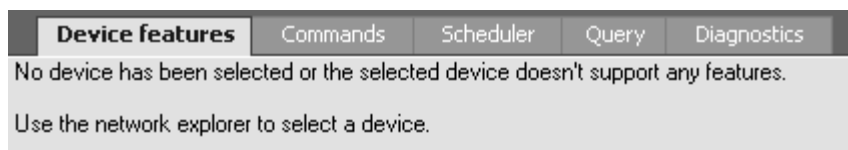


Disconnected interface

If the USB2DALI, USB2ZigBee or SimpleSet interface becomes disconnected during use, MultiOne must be restarted. After closing MultiOne reconnect the interface via its USB plug. Restart MultiOne and, as before, scan the device/network and resume communication.

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 once¹.

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, except when using the SimpleSet interface. See 7.3.1.

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.

Reading and writing device features

The Device features tab can do three things: show the default values used by MultiOne, 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 select device features to be read. Select 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.

After adjusting the values, click the Write button in the toolbar.

A dialog window pops up in which you can select device features to be written. Select 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 configure device features for multiple devices you can use virtual devices. Please be referred to the MultiOne User manual for details.

Copyright

Copyright © 2022 Signify Holding.

All rights reserved. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without prior written permission from Signify. Brands and product names are trademarks or registered trademarks of their respective companies.

Disclaimer

Signify makes no warranty of any kind about this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Signify assumes no responsibility for any error that may appear in this document. Signify makes no commitment to update nor to keep current the information contained in this document.

Limitations of damages

The vendor will not be liable for any indirect, special, incidental or consequential damages (including damages for loss of business, loss of profits, or the like), whether based on breach of contract, tort (including negligence), product liability or otherwise, even if the vendor or its representatives have been advised of the possibility of such damages and even if a remedy set forth herein is found to have failed its essential purpose.