

The MultiOne Configurator

with certified SimpleSet® Interface tooling

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LED Electronics

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SimpleSet®
'Simply touch
to configure'

PHILIPS

MultiOne Configurator with certified SimpleSet® interface

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1. Introduction

Configurable LED components and luminaires are needed

The **changing world** of lighting

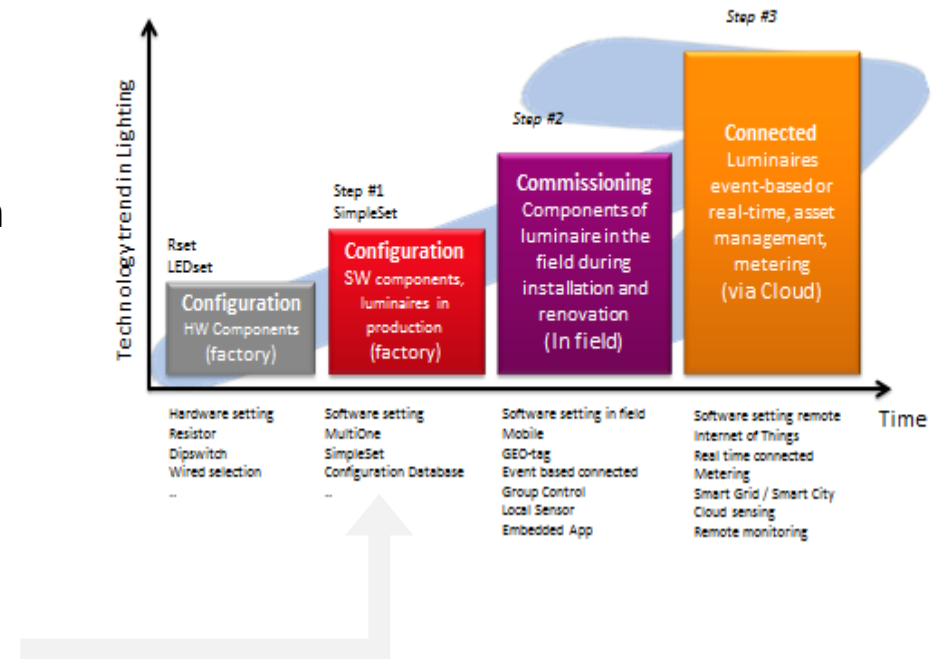
- transformation from conventional lighting technologies to LED
- Luminaire manufacturers all looking for differentiation

Configurability means the **freedom to set** OEMs own specifications

- From Current setting via resistor on driver,
- To configuration with DALI of a package of features

Simplify configuration in Development and Production environment

- **Wireless** configuration with SimpleSet®



1. Introduction

Value proposition of our total solution

The MultiOne configurator with SimpleSet[®] technology helps in

- **Easy** (just touch and detect the product),
- **Fast** (configuration in seconds),
- **Wireless** (no connection of the driver to power or system needed)

Configurability

which makes luminaire manufacturing and logistics more

- **Flexible** (Flexibility of late stage or any stage configuration)
- **Simple** (less handling and production complexity)
- **Cost-efficient** (Reduced Supply Chain and Development complexity)

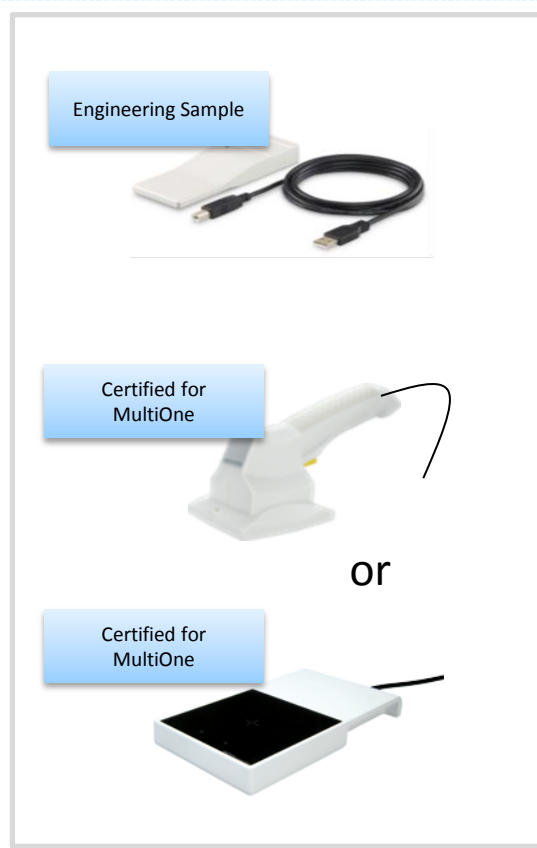
2. Product introduction

Basic blocks

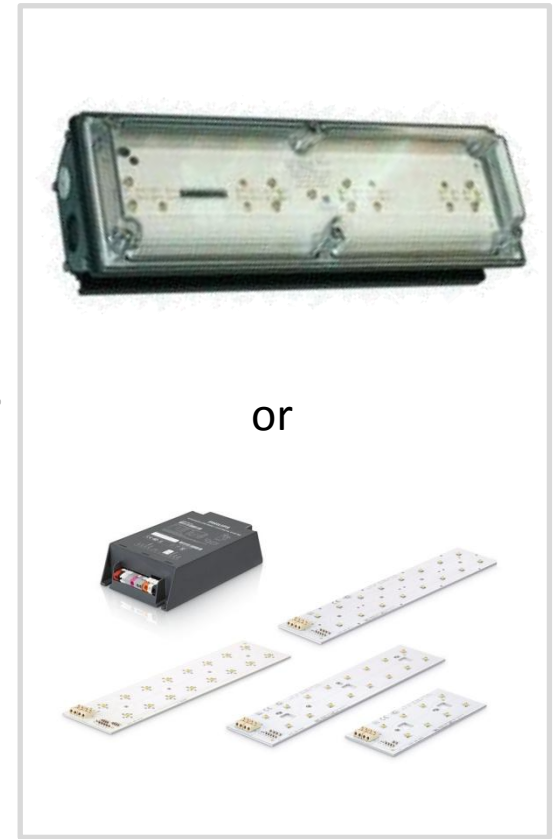
1.



2.



3.



PC with unique MultiOne Software

Certified SimpleSet® interface tool

Philips drivers with SimpleSet® Technology

3. Basic blocks

3.1. PC with our MultiOne Software

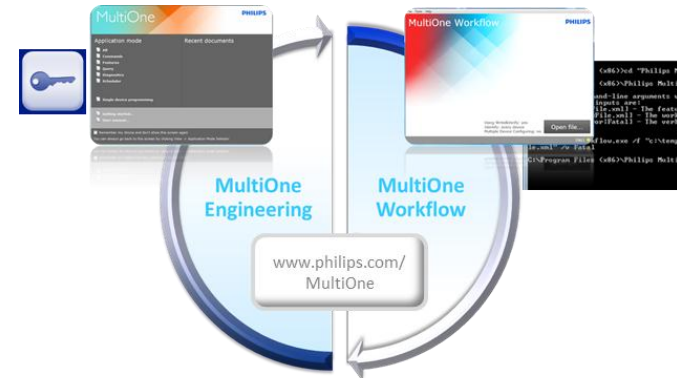
Laptop or PC with conditions:

- Microsoft Windows 7, Windows 8 or Windows 8.1
- One or multiple USB 2.0 port(s):
- At least 35 MB of free disk space
- *Using Windows Xp will be phased out end of 2015*



Software from website:

- Free download www.philips.com/MultiOne
- Software for different application (status on wk 25)
 - MultiOne Engineering 2.8
 - MultiOne Workflow2.1 / CommandLine
- Protected via User Software Key
- One software
 - all type of Interfaces
 - total product portfolio
- Automatic upgrade – new release wk 27



3. Basic blocks

3.2. SimpleSet® Interfaces

SimpleSet® technology is based on

- **Wireless short range** proximity based communication technology
- Based upon **RFID technology** at 13.56 MHz
- Standardized by the **NFC Forum**, protocol according ISO 15693
- Operating distance typical **1 cm** (height)
- Response time **< 0,1 seconds** (quantity of commands)



Technology also used:

- Mobile payment
- Access control (door)
- Tickets for events, theatre,..

Functionality is influenced by:



- Tool, type of driver (each product will be released)
- Material in the environment (table) or of the luminaire, driver, ..(metal housing)
- Driver with power on/off

3. Basic blocks

3.2. Certified SimpleSet® Interfaces

Tooling :

- Expertise in configuration of drivers, no specialist in tooling for scanning
- **Professional complementary partner** for this type of tooling -> **FEIG**
- 2 tools of FEIG are released for the portfolio of SimpleSet® drivers
-> **certified for MultiOne SimpleSet®**

Certified SimpleSet® Interface tool	Philips 12 nc = FEIG code	Philips name = Feig name	Remark
	9290 009 99400	LCN 9610 MultiOne interface SimpleSet®	Tool based on the standard tool of FEIG ref ID ISC.PRH101-USB HF specific adjusted for Philips
	9290 009 99500	LCN9620 MultiOne interface SimpleSet®	Tool based on the standard tool of FEIG ref ID CPR30-USB HF specific adjusted for Philips

3. Basic blocks

3.2. Certified SimpleSet® Interfaces

Tooling :

- FEIG Information will be add in our website www.philips.com/MultiOne
 - Technical documentation, link to FEIG website, order information...
- Ordering direct at FEIG
 - Contact person : kschoeke@feig-electronics.com/Sales@feig.us
 - Central order location @ US, Development @ Germany
 - Order information docs included in presentation
 - Product code = Philips code (due to change control)
 - Supplied with a (fixed) USB cable.
 - Order quantity starting from 1 pcs (individual packed)
 - Small quantities (<10 pcs) : delivery time < 4 wks
- Warranty 12 months (FEIG statistic <0.02 % failure)

FEIG
ELECTRONICS

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2220 Northmont Parkway
Suite 250
Duluth, GA 30096
Tel: (770) 491-8060
Fax: (678)-417-6273
www.feig-electronics.com

Only order the FEIG tools with the Philips code to prevent issues with the installation

3. Basic blocks

3.2. Philips SimpleSet® Interface

Tooling :

- The Philips LCN9600 MultiOne SimpleSet® interface tool
- Engineering Sample
- Only use for testing of drivers
- Request for sample via local sales representative
 - Supplied with a fixed USB cable from the Philips headquarter
 - Limited numbers
 - Individual packed
 - No cost



We will keep the *LCN9600 MultiOne SimpleSet® interface* only available in 2015, (as engineering sample) for customers (first testing) or internal purpose (demo).

3. Product introduction

3.3. Xitanium drivers with SimpleSet® technology

Drivers:

- SimpleSet® Technology included in the drivers (indoor & outdoor)
- Recognisable by the SimpleSet® symbol – position of the touch zone
- Depending on type of driver :
 - Position of the antenna
 - Feature configuration : AOC or full feature-set and diagnostics
 - Housing (metal / plastic)
 - Combination of Rset / SimpleSet® Technology / DALI



Configuration of:

- Component (driver)
- Subassembly (driver + LED module)
- Luminaire (open luminaire)

Condition :

- Antenna in reach of the tool
- No metal/signal interference on the workstation
- No power on the driver

4. Key application

4.1 Basic set up



- Tool connected with MultiOne PC via USB, “naked driver”
- Quick configuration in seconds of time
- Robust, quick, easy *single* programming
- Implemented in both software packages
- Tool only used for configuration (and diagnostics) not for DALI communication

4. Key application

4.2 Integrated set up

Development/Quality



- Easy and quick settings of features
- Quick quality check
- Handy rework

Production



- Easy and quick settings of features
- Handy rework
- Pre-configuration

AND/OR



- Quick settings of features
- Integration in existing station via CommandLine
- Configuration during assembly or in test station

5. Starting up

Tips

- Download **the latest software** from the website www.philips.com/MultiOne
- Be sure you have a **User Software Key** installed
- Before starting MultiOne configuring, **connect a tool** to the PC.
- After starting up always **select the correct connection settings**.
- Scanning for device, will not work if the **driver and tool** are not in **each other reach**
- During scan device in production , do **not shuffle the driver on the tool** (give an error)
- If **no information** is shown in the tab “Devices Features” and “Diagnostics” , press the **READ** button - After changing the feature, press **WRITE** button
- When saving the created file also mark **the “type of driver”**, in the workflow this will be checked. Be aware that old files will not be able to check this.
- After downloading file in production , **automatic scan (with beep)** will happen while using tool with **workflow** software

6. Available info

websites/software

SimpleSet®
Simply touch
to configure

Simple, fast and wireless configuration

innovation + you

SimpleSet®
Configuring Xitanium LED drive

Philips SimpleSet® new wireless p...
manufacturers to quickly and easi...
during the manufacturing process...
offering great flexibility. As a resu...
costs and inventory.

Download leaflet

MultiOne
Configurator
Software

Simply install MultiOne
Configurator Software
on your PC and use the
MultiOne Configurator
to configure the lighting
system for the Xitanium
LED drive.

Simple
and v...
confi...

SimpleSet®

[OEM website](#)

Technical download page

- MultiOne software
- Manuals
- Quick installation guides
- User Software Key
- Interface tools

PHILIPS

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Home Products Simple Webshop My Technology Portal Support

LED Conventional Controls

Downlight & spotlight systems

- + Partimo LED downlight system (DLH)
- + Partimo LED Twistable downlight module (TL)
- + Partimo LED Disk modules
- + Partimo LED SLH
- + CertiFlux DL-S

Linear LED systems

Indoor

- + Partimo LED Strip
- + Partimo LED Line
- + Partimo LED Line High Plus
- + CertiFlux LED Line
- + IntaGrade LED engine system (-30 to +30° C)
- + IntaGrade LED fixture system (-30 to +30° C)

Area LED systems

Indoor

- + Partimo LED Square

Miniaturised systems

- + Partimo LED decorative module

Outdoor LED systems

- + Partiflex LED module Gen 2
- + Partimo LED high brightness module (HBR)
- + Partimo LED linear light module (LLM)
- + Partimo LED linear light module (LLM)Solar

Refrigerated display lighting

- + Commercial downloads
- + PrimeSet RDL500 S10
- + Aluminium LED display modules Value-plus en for commercial glass door freezer and cooler
- + LED display engines
- + MASTER LEDtube SA
- + IntaGrade LED engine system (-30 to +30° C)
- + IntaGrade LED fixture system (-30 to +30° C)

Downloads

Philips MultiOne Configurator

A smart system that enables configuration of the different functions in multiple lighting devices.

The Philips MultiOne configurator is an universal flexible tool, consisting of hard- and software, that can be used all programmable Philips devices. Device have become more intelligent. More control systems are now being used in the drivers and late stage configuring is therefore a necessity to limit complexity. The Philips MultiOne Configurator most flexible tool to program a luminaire; test it, configure it automatically in production, read out its status, do analysis and upgrade it in the field.

Downloaded product leaflet

Configuration tool

- MultiOne DALI interface
- MultiOne Zigbee interface
- MultiOne SimpleSet interface

Configuration software (FREE DOWNLOAD)

- MultiOne Engineering 2.7
- MultiOne Workflow 2.0

Documentation

- MultiOne Leaflet
- MultiOne Getting Started
- Supported Device List
- Engineering User Manual
- Workflow User Manual
- Quick installation guide
- + Workflow
- + SimpleSet
- + User Software Key
- Webinars (you tube)
- + basics
- + features

Before installing the MultiOne Engineering 2.7, request a User Software Key with your local sales department or via this mail-address. After receiving this key, you will be able to access this new software upgrade. Installing Engineering 2.7 will override the previous version. This previous version, MultiOne Engineering 2.6.5, will still be available during the period Q1 2015 via this link.

Software

- help function

Philips MultiOne 2.6.5

File Actions View Tools Help

Network

No device has been selected or the selected device doesn't support any features. Use Network to select a device.

Philips MultiOne Workflow 1.1

File Tools Help

MultiOne Workflow

PHILIPS

Scan for device

Using WriteVerify: no
Identify: only once
Multiple Device Configuring: no

Open file...

SimpleSet



Specifications



OBID i-scan® HF

HF Handheld Reader ID ISC.PRH101-A / PRH102-B / PRH101-USB



FEATURES

- Variable interfaces (RS232, USB, Bluetooth)
- Anti-collision function
- Multi-tag reader for ISO15693 and ISO18000-3
- 2 operation modes: FEIG ISO Host Mode & Scan Mode



SHORT DESCRIPTION

The handheld readers ID ISC.PRH101/102 are designed for contactless data exchange with common ISO 15693 transponders. They can be used for those applications, read ranges up to 13cm* (PRH102-B) resp. up to 20cm* (PRH101-A/-USB) are required.

Due to different interfaces the handheld readers can be integrated in existing systems easily. So they are suitable for several applications in retail, logistics and industry.

The anti-collision function allows the handheld readers identification of up to 30 transponders simultaneously. With a switchable voltage on the antenna line a LED located in the antenna can be operated.

For programming host applications on mobile devices FEIG offers DLLs for different systems like Pocket PC, CE3.0, CE.NET, Windows-, Linux- and Java systems.

*Read range depends on the transponder size.
Here made statements relate to an inlet size of 76 x 45 mm

ORDER DESCRIPTIONS

ID ISC.PRH101-A	HF Handheld Reader; RS232 (with 2.5 m interface cable)
ID ISC.PRH102-B	HF Handheld Reader; Bluetooth
ID ISC.PRH101-USB	HF Handheld Reader; USB 2.0 (with 2.5 m USB cable)
ID NET.5V-B	5V power supply for ID ISC.PRH101-A
ID CHA.NIMH-A	Battery Charger for ID ISC.PRH102-B

TECHNICAL DATA

Dimensions (W x H x D)	230 mm x 100 mm x 80 mm
Weight	320 g (without batteries)
Housing	Plastic ABS
Protection class	IP 30
Color	RAL 9002 / RAL 7044
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	5V DC +/- 0.2V regulated
- ID ISC.PRH101-A	4 Mignon cells 1.2-1.5V AA
- ID ISC.PRH102-B	USB High Powered Interface
- ID ISC.PRH101-USB	maximum 0.5 A
Current consumption	maximum 2.5 VA
Power consumption	integrated
Antenna	
Interfaces	
- ID ISC.PRH101-A	RS232
- ID ISC.PRH102-B	Bluetooth (Serial port profile)
- ID ISC.PRH101-USB	USB (12 Mbit)
Address setting for interface	
- ID ISC.PRH101-A	Software (up to 254 addresses)
- ID ISC.PRH102-B	Bluetooth MAC address
- ID ISC.PRH101-USB	Device-ID of the reader

Signal generator, optical	1 LED (multicolored)
Signal generator, acoustic	buzzer
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)* ISO Host Mode, Scan Mode
Protocol modes	
Temperature range	
Operation	0 °C up to 50 °C
Storage	-20 °C up to 70 °C
Relative humidity	5...95 % (not condensing)

* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDIS Sensor Chips, Infineon m1-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

STANDARD CONFORMITY

Radio licence	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Low Voltage	EN 60950
Human Exposure	EN 50364
Vibration	EN 60068-2-6 10...150 Hz: 0,075 mm / 1 g EN 60068-2-27
Shock	EN 60068-2-27 acceleration: 30 g

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
State of information: June 2012.



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Specifications



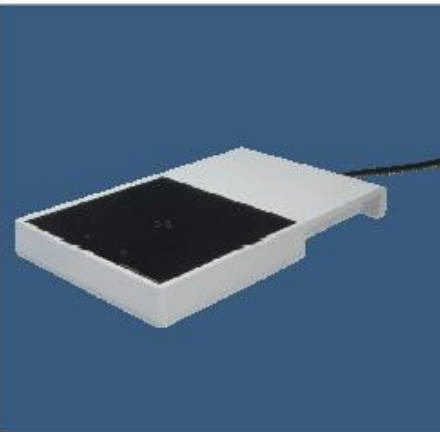
OBID® classic-pro

Desktop Reader ID CPR30-USB (13.56 MHz)



FEATURES

- Desktop Reader to be used in offices or at the POS
- Multi-tag Reader
- ISO 15693 & ISO 14443-A/B
- Supports NFC Applications
- PC/SC driver
- Optional: 2 SAM sockets (ID000 format)



TECHNICAL DATA	
Dimensions (W x H x D)	144 mm x 84 mm x 18 mm
Housing	Plastic (ABA) / acrylo glass
Colour	white / black
Weight	about 105 g
Enclosure rating	IP 42
Operating frequency	13.56 MHz
Transmitting power	100 mW
Power supply	5 V, USB Bus powered
Power consumption	max. 150 mA
Supported transponders	ISO 15693, ISO 14443-A*/** ISO 14443-B**
Operation mode	Polling-Mode
Antenna	Integrated
Interface	USB Full Speed (12 MBIT/s)
Indicators, optical	2 LED (green / orange)
Indicators, acoustic	Buzzer, integrated
Temperature range	
Operation	-20 °C up to 60 °C
Storage	-40 °C up to 85 °C
Relative humidity	95 % (non-condensing)

* mifare® classic (only UID), mifare® UltraLight, NFC: Type 2 and Type 4 in Read/Write and NFC Card Emulation Mode
** ISO14443-4 fully supported

SHORT DESCRIPTION

Order description ID CPR30-USB

ID CPR30-USB is designed as a desktop device for contactless data exchange with common ISO 15693 and ISO 14443-A/B compliant transponders.

Power supply and data exchange with a computer or other equipment is carried out via the USB interface.

Optionally, the reader is available with 2 SAM sockets.

Delivery:

- Desktop Reader ID CPR30-USB
- USB cable (A - Mini B plug)
- Mounting instruction
- Access data for download area

PC/SC driver and OBID® USB driver:

- Windows® 2000 SP4
- Windows® Server 2003
- Windows® XP SP2
- Windows® Vista 32/64 Bit
- Windows® 7 32/64 Bit

STANDARD CONFORMITY

Radio license	
Europe	EN 300 330
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Stand of information: March 2011.



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Fax: (678)-417-6273
www.feig-electronics.com

SunTrust Bank
Address: 3480 Braselton Highway
Dacula, GA 30019

Routing Number: 061000104
SWIFT Code: SNTRUS3A

Account Number: 1000107955808

FEIG

Credit Card Authorization Form

Company Name: _____

Phone : - - Fax - - _____

Credit Card: VISA ___ MC ___ AMEX ___

Card Number: _____

Expiration Date: Month _____ Year _____

Security Code: _____ (on back of card)

Card Holder Name: _____

I authorize FEIG Electronics Inc. to charge my credit card as follows:

Amount: \$ _____ Invoice#: _____
Plus SH if applicable

Additional invoices, special notes or see attachment:

Authorized Signature: _____

Date: __/__/__

Fax to: 678.417.6273 or e-mail back to jjean@feig-electronics.com

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