



Domo Innovation was founded in 2010 as a division of Sirinfo Srl - an Italian company that has been active in the ICT field for over a decade - in order to apply the experience gained as a System Integrator to the field of Home & Building Automation. Domo Innovation, having become part of the Bticino Altoautomation Team right from the start, boasts partnerships with prestigious brands.

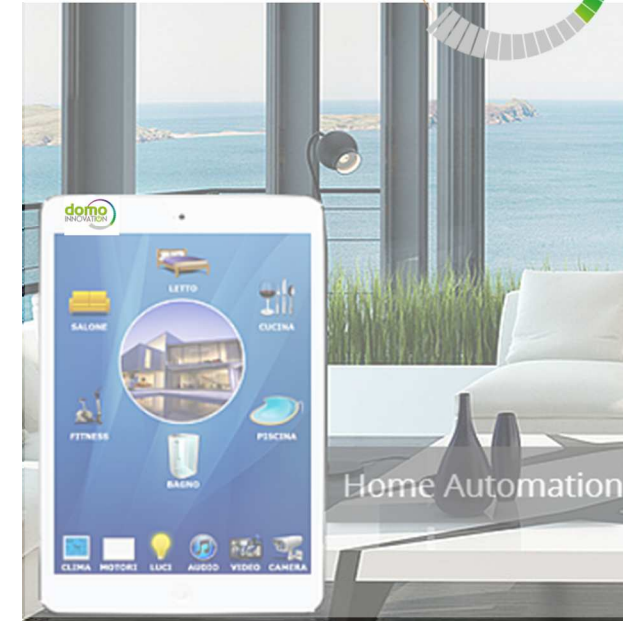
These partnerships have created the technological know-how that enables the company to pursue the path of integration between heterogeneous home automation systems, in order to offer its customers maximum flexibility, performance, design, customization and integration with existing systems.

Domo Innovation is continuously investing in the research and development of new solutions, in order to ensure the highest reliability and flexibility that a home automation system can not do without.



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**RTI Driver for Helvar**  
with Intelligent Colour control



**Helvar**

*Freedom in lighting*

INTELLIGENT COLOUR



Integration between the RTI control devices and DIGIDIM Router from Helvar for the control of the lighting systems via DALI's technology

# RTI Driver for HELVAR

Through the driver it is possible to realize the integration between the RTI (Remote Technologies Inc.) control devices and DIGIDIM routers from Helvar in order to control the lighting systems via DALI's (Digital Addressable Lighting Interface) technology.

The driver is ideal for residential, commercial, industrial, architectural and Architainment™ lighting control, allowing also to manage the lighting system in an efficient and centralized way. It also ensures the adequate atmosphere, visual comfort and energy savings. As an example, the lighting can be managed either through a simple RTI remote control equipped with a display or through an In-Wall Touchpanel Keypad.

The driver is designed for RTI XP series processors and is accessible via the RTI control interfaces on Smartphone and Tablet iOS and Android, advanced remote controls, touch screen and Windows PC. The practical features provided by the integration are the following:

## LIGHTING MANAGEMENT

- Lighting management and control (ON, OFF, dimming, toggle, increase/decrease) with the possibility to control the individual luminaires or a group of lamps (e.g. using a single slider it is possible to control simultaneously all the lamps of a room)
- Display of the consumptions (in watts) of a group of lamps (estimated consumption)



If a Digidim router is used, adopting the new DALI Type 8 protocol for LED driver, it is possible to manage "**Tunable White**" LED lamps that realize a white light with different color temperatures.

The RTI driver allows to :

- control the colored LEDs (**DALI Colour Control**) light to choose the wished color by using a simple gesture
- control the color temperature (to decide the white intensity from 1700K to 50.000K)

NOTE: The Tunable White products allow obtaining a mixture of hot and cold white lights, as well as a light intensity that is able to reproduce the natural lighting (in which the morning light has an intensity and a color different than that of midday). This improves both the comfort and the productivity of those who spend the majority of the day indoor with artificial light, such as the office, school or hospital.

## EVENTS

- Managing the feedback from the DIGIDIM system and automatic execution of RTI Macro (series of automated controls) when a specific event occurs

## HelvarNet Protocol

Send a HelvarNet command string

## DIGIDIM SYSTEM AND HELVAR ROUTER

The DIGIDIM routers (905, 910 and Imagine 920 models) are the basis for the integration of the light control systems in residential, commercial and architectonic areas.

The Helvar Router is able to manage DALI electronic ballasts for different types of lamps (LED, fluorescent lamps, tungsten halogen lamps, high pressure discharge lamps)

Advantages of the Helvar solutions and DALI technology:

- Flexibility: to get the wished lights
- Scalability: from plants of reduced size to large lighting systems
- Simplicity: Easy and convenient installation (e.g. the wiring of lighting can 'be either tree, star or linear type)

## Use of the driver

The connection between the RTI XP Control Processor and the router is made via Ethernet (TCP / IP). The driver can be used by means of the software "Integration Designer®" from RTI. This allows to create easily graphical interfaces to meet any customer needs. The driver is also available in **DEMO version**.