

By connecting the Connections between two drivers, users can control Wireless Relay through the Control4 Light proxy or Relay proxy.

Control & Audio Video Connections				
inSona Wireless Outlet				
Box	Type	Connection	Input/Output	Connected To
Control Outputs				
Relay	Control4	RELAY	Output	
Event Busbox	Control4	INSONA_WIRELESS_OUTLET	Output	Light (v2) 0-10V Light (v2)

When you need to schedule any plug-in appliances in Control4 System to automatically restart, follow these steps:
1. Change Outlet Default status to "RESTORE LAST STATUS", then set outlet status to "POWER ON";

Properties

Properties

List View

Properties

Properties

Actions

Lua

Outlet Status

POWER ON

Outlet Default

RESTORE LAST STATUS

2. Set the time schedule (e.g. setup Scheduler in Composer) to call Action command in Outlet driver, shown in the figure;

inSona Wireless Outlet Actions

Restart the device

Commands

Conditionals

Loops

Device Specific Command

RESET

3. Now the plug-in appliance will automatically restart at the scheduled time.

IMPORTANT! Please do not connect any drivers to the outlet driver that controls scheduled restarts. It may lead to mis-operations causing restart failure.

(4) OTA Update Instructions

Wireless Outlet supports OTA (Over The Air), that means you can update the firmware though Zigbee mesh. The "Firmware Update" in Properties Tab will indicate the latest firmware version when new updates are available.

Firmware Update

1.2.1.6 is available

If you want to update the firmware, switch to Action tab

Properties

Properties

Actions

Lua

Update Firmware

Force Update Firmware

Click Update Firmware button to start updating. The "Firmware Update" in Properties Tab will display the update progress. The new firmware will be downloaded in proximately 10 minutes.

Firmware Update

Downloading ... 8%

File verification will be performed after downloading.

Firmware Update

Checking ...

IMPORTANT! The device will restart automatically and load the new firmware after verification. Do not cut off the power during the process as it may lead to non-repairable damage. Usually the loading process will finish in 1 minutes.

Firmware Update

Loading new firmware ... Do not cut the power supply.

After the loading process, Firmware Update will display "Firmware is updated", showing the operating firmware has been updated to the version of the driver.

Firmware Update

Firmware is updated.

If the update fails or you need to redo update or downgrade, use the Force Update Firmware button in Action Tab. The process is the same to Firmware Update.

Operation Display

- Press the button 4 times for identifying, the Green LED starts to blink. When the device successfully joined the network, Green LED will be turned off;
- Press the button 9 times to leave Zigbee mesh. When the device goes offline, the Red LED will turn on;
- When the device has joined the network, turn on the outlet will light the green LED; turn off the outlet will turn green LED off.

This table describes the Button functions and LED status :

Button Tap Function	Button Sequence	Indications	Remarks
Power On		Red LED and Green LED blinks once successively, and red LED keeps on	When the outlet has joined the network and powered on again, the green LED will blink for a while and turn off, indicating rejoin process.
Identify	4	Green LED starts blinking then goes off.	If Green LED doesn't blink, you shall press the button 4 times again.
Outlet Status Indication	1	Green LED on when outlet turned on; Green LED off when outlet turned off;	Outlet Status Indication is only available when the outlet has joined the network. If Outlet is offline, then the Red LED is always on; Press the outlet button controls outlet switch status;
Leave Zigbee Mesh	9	Red LED turns on	1. If Red LED remains off, then the operation has failed. Please press the button 9 times again; 2. Users can't control the outlet until rejoin the Zigbee mesh;

Troubleshooting

- If the Wireless Outlet does not power its attached device:
 - (1) Check that the plugs for plugged-in appliances are fully inserted into the wireless outlet and the wireless outlet is fully inserted into the wall outlet;
 - (2) Check that the wireless outlet is responsive to button controls and provides normal feedback status;
 - (3) Make sure the appliance attached into the wireless outlet works when plugged into traditional AC wall outlet;
 - (4) Verify that the Wireless Outlet is identified;

- If you find the green LED keeps blinking after the outlet is powered on, please press the button 9 times to leave the former Zigbee network. Then press 4 times to re-identify the device.

- For helps and other questions on this product, please visit <http://www.insona.cc>.

Regulatory Compliance

inSona Wireless Outlet complies with standards established by the following regulatory bodies: Federal Communications Commission (FCC) and Conformite Europeene (CE).

FCC

FCC ID: 2ACRFC01W01

This device complies with Part 15 of the FCC Ru es. Operation subject to the following two conditions:

- (1) This device may not cause harmful interference;
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE

inSona declare that the product : Wireless Outlet, Model Number IN-C01-WO, to which this declaration relates, is in conformity with the following standards :

EN 55022
EN 55024
EN 300328 (RF)
EN 301489 (RF)

Wireless Outlet Switch

Wireless Outlet User Manual



American Standard



British Standard



European Standard



Chinese National Standard

Product Introduction

This Wireless Outlet is a standard Zigbee PRO device, model IN-C01-WO. It provides any plug-in electric appliances interfaces to Control4 system and seamlessly docks various Control4 Home Controllers. Users can remotely control the outlet to achieve the remote control of the plug-in appliances. It supports OTA (Over The Air) to update firmware online through Zigbee.

Product Features

- Seamlessly dock Control4 Home Controllers, such as HC200, HC300, HC250 ,HC800, etc;
- Use the latest EM357 chip and EmberZNet5.1.2 protocol stack, perfectly docks to Control4 system;
- Work as a router so that other Zigbee devices can join Zigbee mesh via the wireless outlet;
- Easy to install and suitable for any location with electrical outlets, plug and play;
- Plug any plug-in electric appliances to Control4 system to achieve the remote control;
- Provide users with a variety of standard outlet outputs, including Chinese National Standard, European Standard, American Standard and British Standard;
- OTA support to update firmware through Zigbee online;
- Offer Both Standard Relay Output and PANEL_NONDIM_LIGHT Output Connections (one for each), configurable to the actual need;

Packing List

The following components are included in the package:

- Wireless Outlet
- User Manual

Module Appearance



Product Specifications

Power Supply	AC 100V ~ 240V, 50Hz/60Hz
Output Power	1500W Max (resistive load)
Dimensions	100mm(D) x 65mm(W) x 35mm (H)
Communications	Zigbee, IEEE802.15.4, 2.4G, 15 Channels
No Barrier:	15 m
With Barrier:	5 m
Operating Temperature	-20℃ ~ 70℃
Operating Humidity	5% ~ 95%

CAUTION: for safe use of this product, please strictly follow the specifications above.

Installation Instructions

1. Installation position of Equipment must meet the following requirements

- Within the range of Zigbee communicating network
- Keep way from other 2.4 GHz devices such as Wi-Fi, Bluetooth
- Keep away from metal objects

IMPORTANT! Strictly follow the requirements above, so that the product can work efficiently.

2. Install the hardware

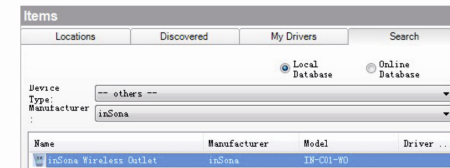
The Wireless Outlet is a plug-and-play device. Plug the Wireless Outlet into any power outlet, that's all.

Setup and Configurations

(1) Add Device

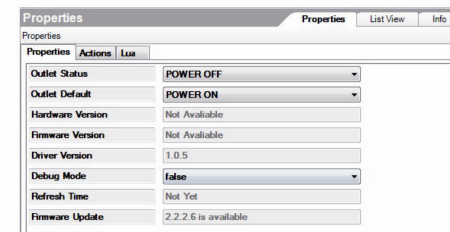
Visit www.insona.cc to download Wireless Outlet Driver; Open "Composer", Click "Driver->AddDriver", select and load "inSona_WirelessOutlet_1.04i";

Then add the outlet device to project as shown in the figure below.



(2) Driver Properties Introduction

The Properties of the Wireless Outlet in Composer are shown in figure below:



Meaning of these properties are:

Outlet Status	Real-time display of outlet switch status
Outlet Default	Set the default outlet switch status
Hardware Version	Hardware Version
Firmware Versicn	Firmware Version
Driver Version	Driver Version
Debug Mode	Manage driver log output
Refresh Time	Last update time of the above information
Firmware Update	Display the firmware version and OTA update information

(3) Getting Started: An Example

You need to add a light driver (see figure below) or any driver with Relay Input in Composer to control the status of the Wireless Outlet. Also the light driver supports Advanced Lighting Scene.