Integration Note

Manufacturer:	TP-Link
Model Number(s):	**HS100 Smart Plug – UK, EU, US & AUS Models**
g! Core Module Version:	**8.0.295**
Driver Developer:	**Core Programming Limited**
Document Revision Date:	01/04/17

Overview & Supported Features

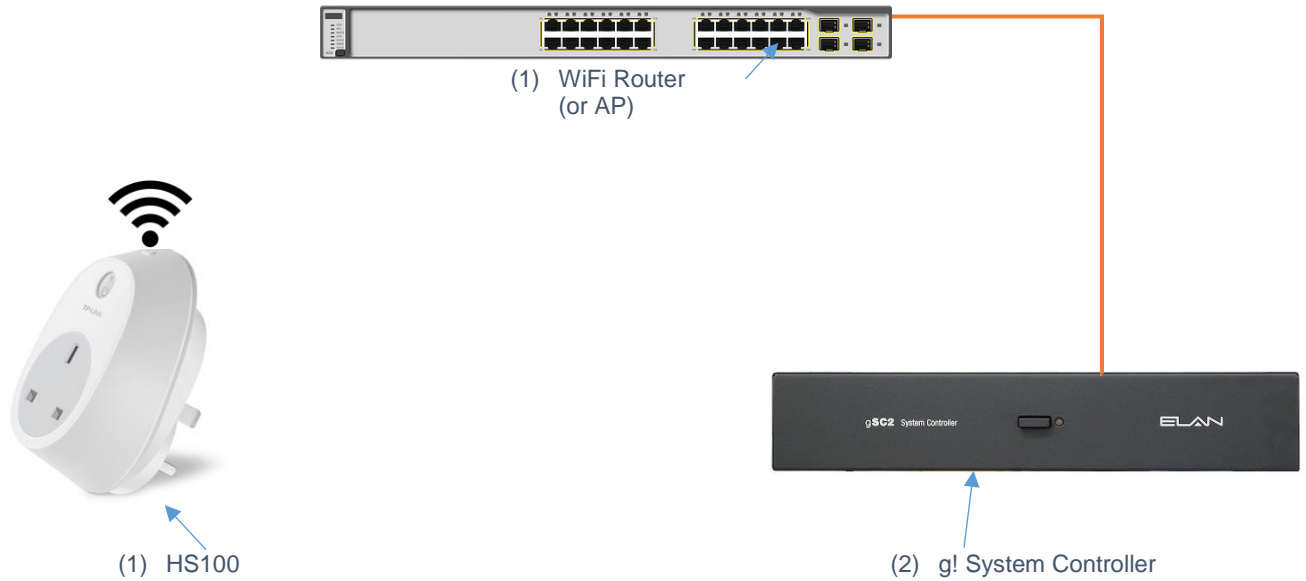This driver allows a g! system to communicate with a TP-Link WiFi Smart Plug.

T̲H̲E̲ ̲F̲O̲L̲L̲O̲W̲I̲N̲G̲ ̲O̲P̲T̲I̲O̲N̲S̲ ̲A̲R̲E̲ ̲S̲U̲P̲P̲O̲R̲T̲E̲D̲ ̲B̲Y̲ ̲T̲H̲I̲S̲ ̲D̲R̲I̲V̲E̲R̲:

Turn plug on and off

Any feature not specifically noted as supported should be assumed to be unsupported.

CONNECTION DIAGRAM: ETHERNET CONTROL

Refer to the Bill of Materials and Wiring Diagram that follow.

(1) WiFi Router
(or AP)

(1) HS100

(2) g! System Controller

BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type
1	Smart Plug	TP-Link	HS100	WiFi	NA
2	g! Controller	ELAN	Various (e.g. SC2)	Ethernet	RJ-45 Female
3	Router / Access Point	Various	Various	Ethernet	RJ-45 Female

TP-Link HS100 Setup

Follow the manufacturers guide to setup the HS100 to your WiFi network.

Recommended Action : DHCP Fixed Lease

We recommend you assign a DHCP fixed lease to your HS100. Doing this ensures the HS100 will work properly even if the unit is reset to factory defaults.
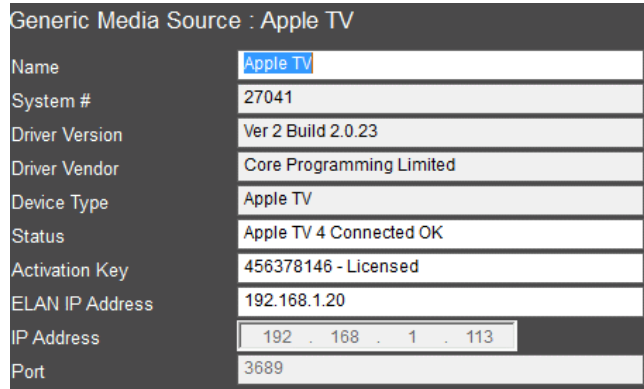
DRIVER LICENSE

This driver requires a license key to function. Pricing and license keys can be obtained by visiting www.intrinsicdev.co.uk

The controller MAC address is needed to generate a license key.

INSTALLATION:

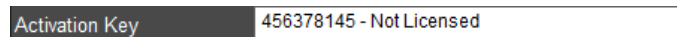The license key is entered on the main properties page of the driver.

Generic Media Source : Apple TV	
Name	Apple TV
System #	27041
Driver Version	Ver 2 Build 2.0.23
Driver Vendor	Core Programming Limited
Device Type	Apple TV
Status	Apple TV 4 Connected OK
Activation Key	456378146 - Licensed
ELAN IP Address	192.168.1.20
IP Address	192 . 168 . 1 . 113
Port	3689

*Example Image

Once you enter the product license key as shown above click "Apply" to save it and then within 20 seconds the driver will process the key.

After 20 seconds the driver will update the Activation Key window with the status of the license key. To see this update, you must refresh the screen by selecting another tab or device and then going back to this driver. You will either see, as above, that the driver is activated correctly or, as below, the driver is not activated.

Activation Key	456378145 - Not Licensed

Please check the status of the driver activation before logging a support ticket.
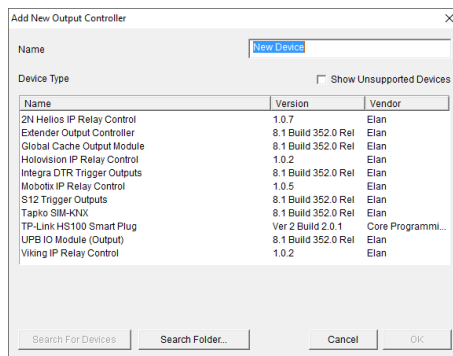
g! CONFIGURATION

The installation process will involve loading a Relay driver from a downloaded file.

Note: No communication device is needed for this IP driver.
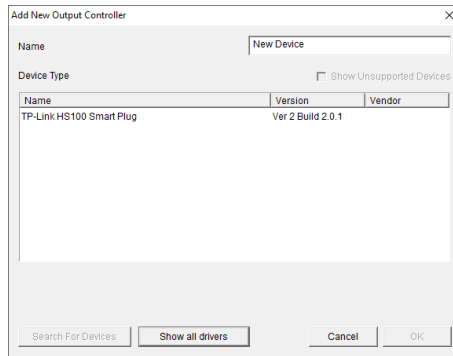
INSTALLATION PROCESS

It is recommended that you follow the below installation process in order to ensure you are running the latest version of the driver.
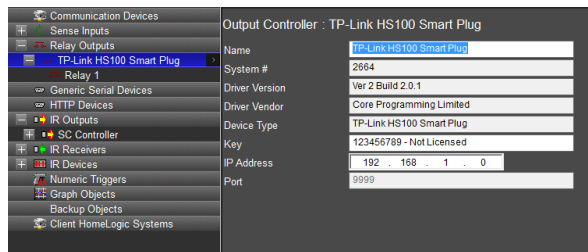
1. Download the latest version of the driver from the ELAN dealer support site or get it from your order confirmation email. If the file is zipped, then extract it to a known location.

2. Under the Input/Output tab in configurator, right click Relay Outputs and select Add New Output Controller.

3. On the next window use the Search Folder button to point Configurator to the location you saved the driver.

4. Select the driver and click OK.

5. Enter your license key and HS100 IP address then click "Apply" .

g! CONFIGURATION DETAILS

The following table provides settings used in Configurator …Please refer to the Configurator Reference Guide for more details.

In the table below:

- o "<Select from list>"　　　　　Select the appropriate item from drop down.
- o "<User Defined>", etc.　　　　Type in the desired name for the item.
- o "<Auto Detect>", etc.　　　　The system will auto detect this variable.

Devices	Variable Name	Settings (Ethernet)
Output Controller	Name	<User Defined> (Default <Auto Detect>)
	System #	<Auto Detect>
	Driver Version	<Auto Detect>
	Driver Vendor	Core Programming Limited
	Device Type	TP-Link HS100 Smart Plug
	Activation Key	<User Defined> (Enter key supplied by Intrinsic Dev)
	IP Address	<User Defined> (Enter static IP address of matrix)
	Port	<Auto Detect>

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COMMON MISTAKES

1. No communication device is needed.

2. Check that you have the correct IP address and that it has been correctly reserved in your router.

ELAN DEVELOPER PARTNER INFORMATION

This ELAN driver was written and supported by:

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