



Integration Note

Manufacturer:	JustAddPower (Luxul Switches)
Model Number(s):	AMS2616P, AMS1280P, XMS2624P, XMS5248P, AMS4424P, AMS7048P
Minimum Core Module Version:	7.3
Document Revision Date:	04/27/2016

OVERVIEW AND SUPPORTED FEATURES

The JustAddPower HDMI over IP system provides matrix switching of HDMI systems over IP/Cat-5 using a Luxul managed switch. JustAddPower matrix switches communicate with the **g!** system via Ethernet, allowing reliable control and feedback.

JUSTADDPower SYSTEMS SUPPORT THE FOLLOWING FEATURES:

Matrix Source Selection: The **g!** Viewer interface, zone slaving, or Event Maps can be used to select sources by zone from the **g!** system. Feedback is provided to keep the **g!** Viewer in sync with the current state of the switch. Any input may be sent to any output.

IP to Serial: The JustAddPower devices may contain serial ports that are usable as IP-to-Serial bridges in the **g!** system. *See the JustAddPower SOIP Integration Note for information on this feature.*

THE FOLLOWING FEATURES ARE NOT SUPPORTED:

Other Switch Makes/Models: The JustAddPower system supports other makes and models of switch, but this driver supports only the above Luxul switch models.

Zone Off: No zone off command exists for JustAddPower systems. When **Zone Off** is selected in **g!**, technically, the zone remains on.

Audio/Video Control: JustAddPower devices do not support any modification of the audio or video signal.

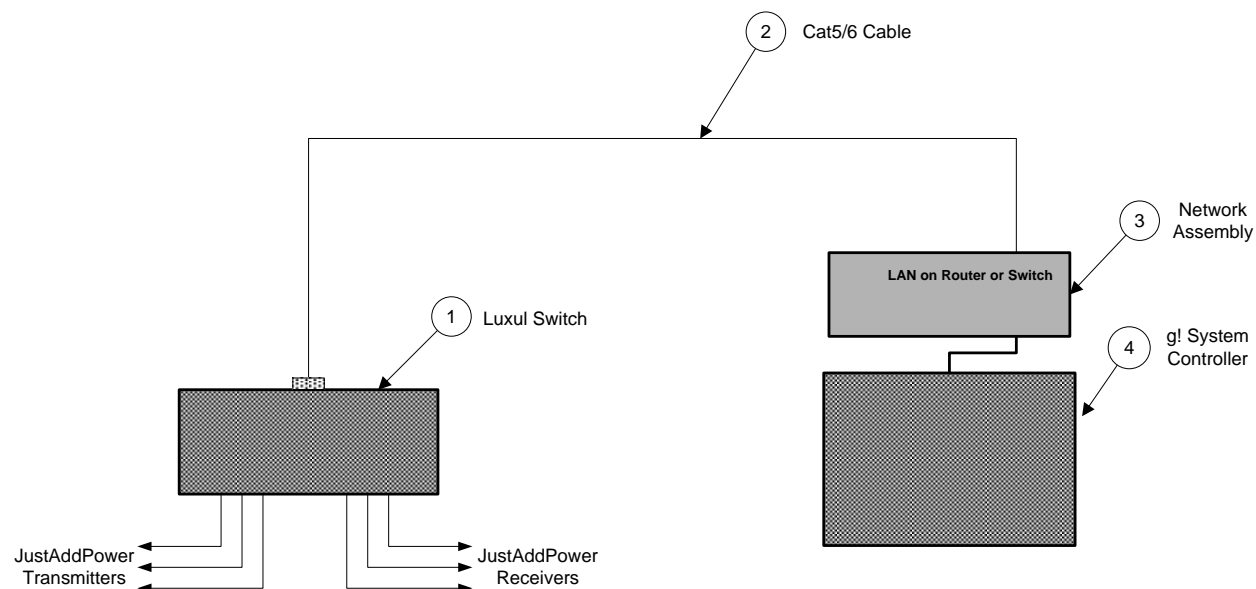
Independent Audio/Video Switching: All A/V signals from the JAP system are linked. It is not possible to route audio from input 1 and video from input 2 to output 3, for example.

Device Discovery: There is no way to automatically discover information about the switch configuration or JustAddPower system.

Any feature not specifically noted as supported should be assumed to be unsupported.
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CONNECTION DIAGRAM: ETHERNET CONTROL

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



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Managed Switch	Luxul	Various (e.g. AMS4424P)	Ethernet	RJ-45 Female	
2	Cat5 Cable Assy.	N/A	N/A	Ethernet	RJ-45 Male X RJ-45 Male	
3	Network Assembly	N/A	N/A	Ethernet	RJ-45 Female	
4	g! Controller	ELAN	Various (e.g. SC10)	Ethernet	RJ-45 Female	

JUSTADDPower SETUP

The JustAddPower system should be configured using the JustAddDrivers configuration utility (available from your JustAddPower dealer, or via www.iustadddrivers.com). When the configuration process completes, a report is generated by the tool which can be saved as a text file. This contains important information required for configuration of the **g!** driver.

g! SETUP

In Configurator, go to the **Zone Controllers** tab and choose to add a new controller, selecting **Luxul xXy HD Over IP Switch** from the list (where **x** = the number of inputs and **y** = the number of outputs). Ensure that you choose a configuration large enough to support all of the JustAddPower devices in your system. Enter the IP address of your Luxul switch (or the IP address of the master switch where a “stack” configuration is used). NOTE: This is the “Gateway” address in the report generated by the JustAddDrivers tool upon completion. Next enter the username and password required for telnet access (by default these are both “admin”) and also enter the port number required for telnet control (this will almost always be the default value “23”).

g! CONFIGURATION DETAILS

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

- “<Select from list>” Select the appropriate item from the list (or drop-down) in the Configurator.
- “<User Defined>”, etc. Type in the desired name for the item.
- “<Auto Detect>”, etc. The system will auto detect this variable.

Refer to the **g! System Programming Details** below for additional information.

Devices	Variable Name	Settings (Ethernet)
Zone Controllers	Name	<User Defined> (Default: Luxul xXy JAP HD Over IP Switch)
	System #	<Auto Detect>
	Driver Version	<Auto Detect>
	Driver Vendor	Janus
	Device Type	Luxul xXy JAP HD Over IP Switch
	Username	<User Defined> (Enter the username required for telnet access)
	Password	<User Defined> (Enter the password required for telnet access)
	IP Address	<User Defined> (Enter address of Luxul switch)
	Port	<User Defined> (Enter the port number required for telnet access)
Sources	System #	<Auto Detect>
	Source Device	<Select from list>
	Display Icon	<Select from list>
	Source Volume	<Auto Detect>
	Display Name	<User Defined>
Zones	Name	<User Defined> (Default: <Auto Detect>)
	System #	<Auto Detect>
	Universal Receiver	<Select from list>
	Display 1	<Select from list>
	Display 2	<Select from list>
	Slave Zone 1	<Select from list>
	Slave Zone 2	<Select from list>
	Turn On Source	<Select from list>
	Hide Volume	<Select from list>
	Matrix Only	<Select from list>
	Audio Return Input	<Select from list>

COMMON MISTAKES

No Devices Are Discovered

- Check the IP address, username and password are all correct for your Luxul switch.
- Ensure the network is correctly configured according to the JustAddDrivers documentation, so that the Luxul switch and the **g!** controller can communicate with each other (particularly, the addition of a “static route” to your router).
- If the Luxul switch has recently been started or restarted, it may take several minutes for the devices to become available.