Integration Note

Manufacturer:	RTi
Model Number(s):	**AD-4**
g! Core Module Version:	**8.0.278**
Driver Developer:	**Core Programming Limited**
Document Revision Date:	03/01/2017

Overview & Supported Features

This driver allows a g! system to communicate with an RTi audio matrix via RS232 Serial.

THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:

Matrix Source Selection: The g! Viewer interface, zone slaving, or Event Maps can be used to select sources by zone from the g! system. Any input may be sent to any output.

Zone Volume Control: The g! Viewer interface can be used to control the volume in any zone of the matrix, with visual level shown.

Zone Power Control: The g! Viewer interface can be used to switch zones on or off.

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

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CONNECTION DIAGRAM: RS-232 CONTROL

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

(4) RJ-45 Cable

(3) BD-9M to RJ-45 Adapter

(1) Audio Matrix

(2) g! System Controller
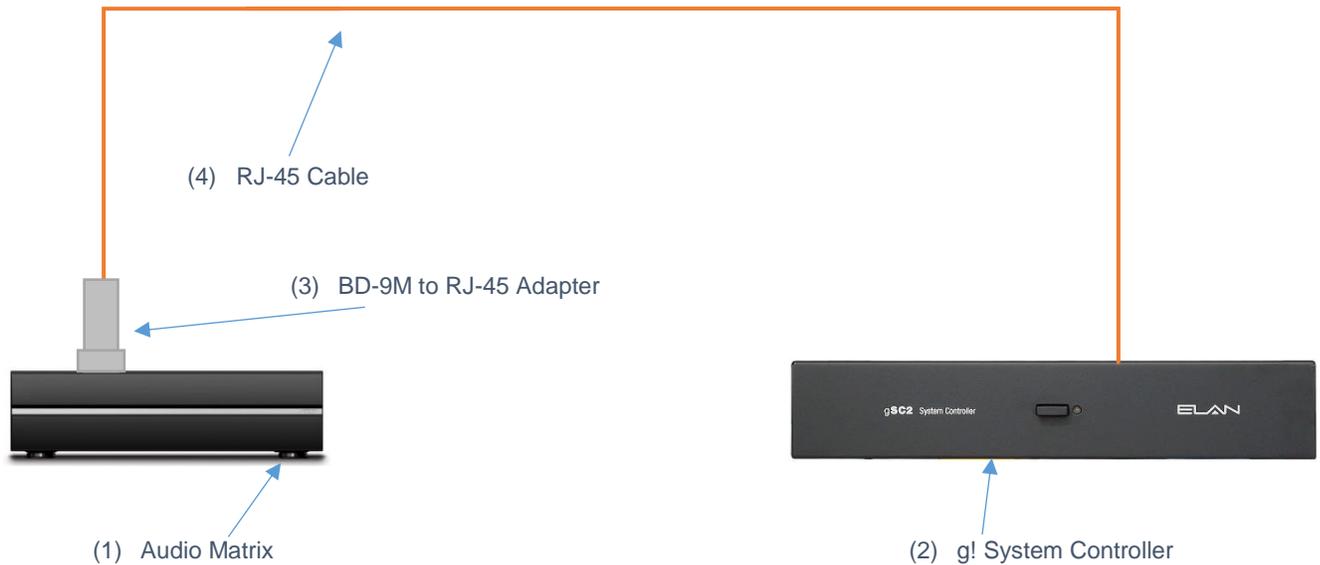
BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type
1	RTi Audio Matrix	RTi	AD-4	RS-232	DB-9 Female
2	g! Controller	ELAN	Various (e.g. SC2)	RS-232	RJ-45 Female x DB-9 Male
3	DB-9 to RJ45 Adapter	ELAN	HA-CB-307	RS-232	RJ-45 Female
4	Network Cable	Various	Various	RS-232	RJ-45 Male

RTI AUDIO MATRIX SETUP

The matrix should be installed with cat5/6 cabling back to the g! Controller.
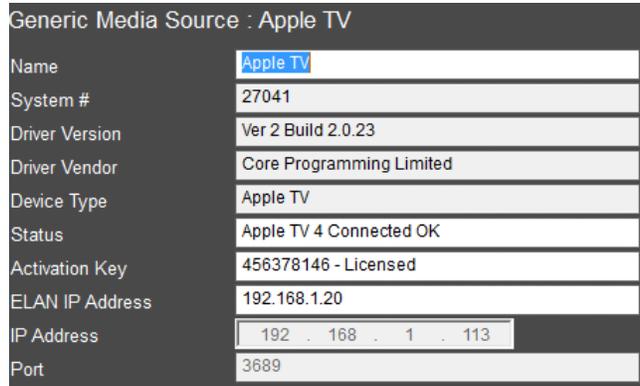
DRIVER LICENSE

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.
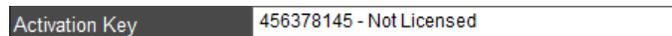
Activation Key	456378145 - Not Licensed

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

g! CONFIGURATION

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

A communication device is needed for this driver – Standard Connection > Serial Port.

Note: All settings on the communication device will be auto populated when connected to the driver, with the exception of the serial port – select this from the drop down menu.

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.

2. Under the Media tab in configurator, add a new zone controller.
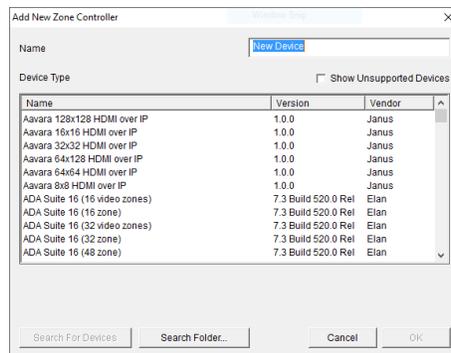
3. On the next window use the Search Folder button to point Configurator to the location you saved the driver.
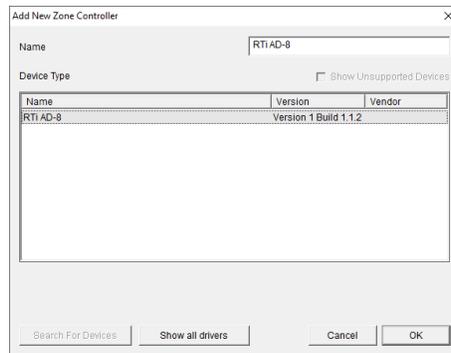
4. Select the driver and click OK.

5. Enter your license key and select the correct communication device, 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.

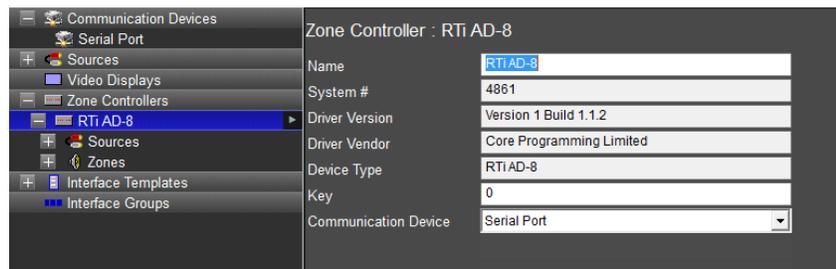| Devices	Variable Name	Settings (Ethernet)
Zone Controller	Name	<User Defined> (Default <Auto Detect>)
	System #	<Auto Detect>
	Driver Version	<Auto Detect>
	Driver Vendor	Core Programming Limited
	Device Type	RTi (Matrix Type)
	Key	<User Defined> (Enter key supplied purchased)
	Communication Device	<User Defined> (Select Standard Connection Device)
Sources	System #	<Auto Detect>
	Source Device	<Select from list>
	Display Icon	<Select from list>
	Source Volume	<Auto Detect>
	Display Name	<User Defined> (Default <Auto Detect>)
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

1. Make sure the correct RJ45 to DB9 adaptor has been used.

ELAN DEVELOPER PARTNER INFORMATION

This ELAN driver was written and supported by:

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www.intrinsicdev.co.uk