

# Integration Doc

Manufacturer:	Zektor
Model Number(s):	AUDxxxx
g! Core Module Version:	8.2.300
Driver Developer:	B-Scotch LLC
Current Driver Version:	1.0.0
Firmware Tested	V2.28
Document Revision Date:	3/12/18

## Overview & Supported Features

This document will cover integrating with the Zektor Pro Audio Series Matrix. This has been used on matrix's as small as the ProAudio16, as well the 64 analog output version. This device communicates via 232 and IP control.

### THE FOLLOWING OPTIONS ARE FEATURES:

- 2 way control of Power, Zone source, Volume
- IP control, RS232 Control
- 5-band EQ, Zone Mix-Down control and Lip-sync
- Pre-generated Settings Pages
- Digital outputs are available as unique zones, however, only include power and source selection. These do not have the ability for volume, mute, mode, exc. There may presently be a 2-way feedback issue with digital zones, Routing analog sources to digital zones is also not supported.
- Triggers – Triggers are one-way event mappable if they are on your chassis. There are three options – on, off, zone. Zone should be set if you set up triggers to follow zones using the matrix's terminal protocol.

### THE FOLLOWING are not supported:

- Feedback for the digital outputs
- The Zektor protocol includes a vast array of commands. Not all, but the most important are included in this driver. For advanced setup you may need to use a terminal program with your PC connected to the matrix for advanced setup.
- HDMI Switching

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

## Driver Version History:

- 1.0.0 – Initial Rollout

## Zektor Configuration

Setting up for IP Control

### IP Control:

Plug in the unit to the local network

From the factory, the unit is set to DHCP.

Use the IP Address setting tool, downloadable from the Zektor web site to set a static IP on the unit.

### RS232 Control:

Development was done using RS232 primarily and is recommended. No special configuration of the device is necessary for RS232 control.

## g! Configuration

Okay, once the unit is configured, we can add the driver into ELAN.

## Installation Process

With 3<sup>rd</sup> party drivers, these are not in the driver list from the factory, but are plug-ins. To add the one for Zektor Pro Audio":

1. Download the .EDRVC file
2. Place this file in a folder on your PC
3. In the configurator, navigate to the Media tab
4. Select "Zone Controllers", and select "Add New Zone Controller"
5. Select search folder, and navigate to the folder in which the driver is located on your PC.

**NOTE:** It is good to note that once selected, the configurator will always look to this folder for 3<sup>rd</sup> party drivers so in best practice you should create a folder in which you keep all your 3<sup>rd</sup> party drivers in.

**NOTE:** If you have already set your folder previously and your driver is in said folder (as it should be if you read the above note☺), then the driver will already be in the populated list for you to select from.

6. If using RS232 Control, add a Standard Connection – Serial Port Communication Device. If IP, this is not required. IP is entered at the
7. Select the Zektor Pro Audio Series from the list
8. The driver should now be loaded into the configurator. If RS232, assign the corresponding communication device.
9. If IP, enter the IP address in the box:
10. Press the Set Extended IO button in configurator. This puts the chassis in a mode which so that it will respond to the protocol used by the driver
11. Press the Get Device Info button – this will return some information about the chassis. Note: IF nothing appears in the Device Info field then there is likely no communication with the chassis.

Zone Controller : Audio Control M6400	
Name	Audio Control M6400
System #	24062
Driver Version	1.0.0
Driver Vendor	B-Scotch
Device Type	Audio Control M6400
IP Address	192 . 168 . 0 . 101
Port	23

## Gotchas:

- There are a lot of zones and sources as this driver will work for the largest of Zektor's offerings. Your matrix will likely not have everything. Only use what applies to your chassis
- Digital outputs are limited to one-way power and source selection only
- A settings page is automatically built for all zones. Due to a current oddity in the ELAN API, the settings controls may not map to the proper zone. You may need to manually map each slider to the proper zone.

## Updates:

Unlike a built-in driver which updates occur with the controller's firmware, 3<sup>rd</sup> party drivers may be updated without a Core Module update. If an update for the driver is needed and becomes available (check with the driver site), download the updated driver and place it in the same folder that you original driver was in. This should be the same folder that you store all downloaded 3<sup>rd</sup> party drivers as well as the folder the configurator will look at when searching for drivers. Now, navigate to the drivers properties page and on the bottom you will see an "Update" button. Press this and the driver will be updated if the file location is correct.

## Common Mistakes:

1. You can't find the driver – refer to step number 2

2. You get a Schema error message when loading the driver:
  - This driver is Schema 11, which means it needs core module 8.0.278 or later for it to function.
3. No feedback
  - Make sure the Zone Names in the unit are set to default, "Zone 1", etc
  - Digital Zones are one-way
4. No IP Control
  - Be sure it has a valid Static IP address set
  - Be sure the IP address matches that of what is entered in the configurator
5. You are trying to use this on an HC controller
  - 3<sup>rd</sup> Party driver support is based on the Linux operating system and as such is only available to SC/g1 controllers
6. Can't hear audio – you may be trying to route an analog source to digital zone which is not allowed. You can only route digital audio to digital(and analog) zones)
7. IP issues – recommend using RS232 as development was done on this.

## **ELAN DEVELOPER PARTNER INFORMATION**

This ELAN driver was written by:

B-Scotch LLC