



Integration Note

Manufacturer:	JBL Synthesis
Model Number(s):	SDA7120, SDA2200
Core Module Version:	g! 8.4
Comments:	Driver version 1.0.2
Document Revision Date:	28/04/2020

OVERVIEW AND SUPPORTED FEATURES

The JBL Synthesis SDA models are single zone, multi-channel, high-performance power amplifiers.

The Elan g! system communicates with the power amplifiers via ethernet only, with two-way support for control and feedback via event map commands. The zone should be hidden from the end user interface, as control should be via another amplifier's zone that triggers event maps in this driver. For example, an event map with a mute event from the main amplifier triggering the mute command for this power amplifier driver.

THE FOLLOWING FEATURES ARE SUPPORTED BY THE JBL SYNTHESIS POWER AMPLIFIERS:

- Standby event and command
- Mute event and command
- Short circuit detected event
- DC Offset detected event

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

JBL SYNTHESIS CONFIGURATION

It is recommended that the JBL Synthesis power amplifier is installed and configured by a suitably qualified engineer, prior to integration with this driver. To avoid the possibility of communication problems, the power amplifier should be configured with a static IP address (rather than using DHCP).

g! CONFIGURATION

The release package contains a driver file per model. e.g. *JBL_Synthesis_SDA2200.EDRVC*.

It is recommended that you follow the below installation process in order to ensure you are running the latest version of the driver.

1. Obtain the latest version of the driver, and ensure you know the location of the extracted EDRVC driver files on your computer's hard drive.
2. Right click on the **Zone Controllers** heading and select **Add New Zone Controller**.
3. From the **Add New Zone Controller** window, choose **Search Folder** and navigate to your driver location, before clicking **OK**.

The upgrade location is now set and the list of drivers for each model is displayed.

4. Select the driver according to which model of device you have and click **OK** to install the driver.
5. Enter the IP address of the device to connect to in the driver.

The zone should now be hidden from user interfaces

e.g in configurator hide it from Interfaces > Interface Devices> [device] > Page Layout Media System

Event maps should be configured so that when the main amplifier's mute and power change, the power amp can be set to the same mute and power state.

- “<User Defined>”, etc. Type in the desired name for the item.
- “<Auto Detect>”, etc. The system will auto detect this variable.

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SUPPORTED EVENT MAPS

In addition to the standard power and mute commands/events, the following **events** can be accessed from **Audio Zone Controller > JBL Synthesis [model]** Event Groups

DC Offset – on/off event raised when DC Offset detected/not detected.

Short Circuit – on/off event raised when Short Circuit detected/not detected.

The following **commands** can be accessed from **Audio Zone Controller > JBL Synthesis [model] > Command Groups**

DisableAutoShutdown – Unit will not automatically go into standby

Autoshutdown20min – Unit will automatically go into standby after 20 min no signal

AutoShutdown30min – Unit will automatically go into standby after 30 min no signal

AutoShutdown1hour – Unit will automatically go into standby after 1 hour no signal

AutoShutdown2hours – Unit will automatically go into standby after 2 hours no signal

COMMON MISTAKES

1. Ensure the IP address is entered correctly, and the latest version of the driver is installed.
2. Ensure event maps are configured correctly, and zone needs to be hidden from user interfaces (all control is triggered via event maps with the main amplifier/AVR zone).