



# Integration Note

Manufacturer:	JBL Synthesis
Model Number(s):	SDP-55, SDP-58, SDR-35, SDR-38
Core Module Version:	g! 8.6
Comments:	
Document Revision Date:	10-August-2021

## OVERVIEW AND SUPPORTED FEATURES

The JBL Synthesis models are high performance audio/visual receivers.

The Elan g! system communicates with the AVR via ethernet only, with full two-way support for control and feedback.

**Note: These drivers are designed to work with JBL Synthesis firmware version 1.42/09. Earlier versions are not supported.**

### THE FOLLOWING FEATURES ARE SUPPORTED BY THE JBL SYNTHESIS DEVICES:

- Discrete input/output selection.
- Network source (e.g. for Deezer).
- Bluetooth
- Tuner (FM and DAB) and preset selection

### THE FOLLOWING FEATURES ARE NOT SUPPORTED BY THE JBL SYNTHESIS DEVICES:

- Discovery of devices.

Any feature not specifically noted as supported should be assumed to be unsupported.
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## JBL SYNTHESIS CONFIGURATION

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

2. In Order to power the device on while it is in standby mode, please enable the following setting HDMI Bypass and IP. To do this go to Menu > HDMI Settings set "HDMI Bypass and IP" to "On".

## g! CONFIGURATION

The release package contains a driver file per model e.g. *JBL\_Synthesis\_SDP\_55.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, as described above, 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.*

4. Click **Cancel** from the **Add New Zone Controller** dialog.
5. Right click on the **Communication Devices** heading and select **Add New Communication Device**.
6. Select the appropriate driver for the device model and click **OK**.

*The communication device will be installed, and will automatically add a receiver, net, Bluetooth and tuner source drivers.*

7. Enter the IP address of the device to connect to in the communication device.
8. Choose a Poll time from the dropdown. The shorter poll time ("Normal") will mean feedback is more responsive, but more resources will be used on the Elan processor. The "Slow" poll time can be used if a lot of processor resources are in use by other drivers, and less responsive feedback is sufficient.

## g! CONFIGURATION DETAILS

The following table provides settings used in Configurator when connecting to the matrix. Please refer to the Configurator Reference Guide for more details. In the table below:

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

Devices	Variable Name	Settings (Ethernet)
Communication Devices	Name	<User Defined>
	System #	<Auto Detect>
	Device Type	Ethernet
	Driver Name	JBL Synthesis <model>
	Driver Version	<Auto Detect>
	Driver Vendor	Janus
	Installed	<Auto Detect>
	IP Address	<User Defined>
	Port	50000
	Poll time	<Select from list>
Zone Controllers	Name	<User Defined>
	System #	<Auto Detect>
	Status Color Coding	<User Defined>
	Status	<Auto Detect>
	Driver Version	<Auto Detect>
	Driver Vendor	Janus
	Installed	<Auto Detect>
	Device Type	JBL Synthesis SDR/P Receiver
	IP Address	*Not Applicable*
	Port	*Not Applicable*
Sources	System #	<Auto Detect>
	Source Device	<Auto Detect>
	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>	

## SUPPORTED EVENT MAP COMMANDS

The following event map commands can be accessed from **Audio Zone Controller > AVRReceiver > Execute Function**

**Right** – increment frequency when on FM radio  
**Left** – decrement frequency when FM source selected  
**Rescan** – rescan when DAB source selected  
**OsdOn** – Turn zone 1 OSD on  
**OsdOff** – Turn zone 1 OSD off  
**SetHDMIout1** – Set HDMI output 1  
**SetHDMIout2** – Set HDMI output 2  
**SetHDMIout1and2** – Set HDMI output 1 and 2  
**DolbyVolumeOn** – Turn the dolby system volume on  
**DolbyVolumeOff** – Turn the dolby system volume off  
**DolbyLevellerUp** – Increment dolby leveler setting  
**DolbyLevellerDown** – Decrement dolby leveler setting  
**RoomEQ1On** – Set room EQ 1 on  
**RoomEQ2On** – Set room EQ 2 on  
**RoomEQ3On** – Set room EQ 3 on  
**RoomEQOff** – Set room EQ off  
**CompressionOff** – Set compression off  
**CompressionMedium** – Set compression to medium  
**CompressionHigh** – Set compression to high  
**LipsyncUp** – Increment the lip sync delay  
**LipsyncDown** – Decrement the lip sync delay  
**SubwooferTrimUp** – Increment the subwoofer trim  
**SubwooferTrimDown** – Decrement the subwoofer trim  
**IMAXEnhancedOn** – Set IMAX Enhanced to On  
**IMAXEnhancedOff** – Set IMAX Enhanced to Off  
**IMAXEnhancedAuto** – Set IMAX Enhanced to Auto  
**RequestSoftwareVersion** – Request all software versions  
**UseAnalogAudioForSource** – Set to use the analog audio for the current source  
**UseDigitalAudioForSource** – Set to use the digital audio for the current source  
**UseHDMIForSource** – Set to use HDMI for the current source  
**RequestDisplayBrightness** – Request the brightness of the front panel display  
**DirectModeOn** – Turn direct mode on  
**DirectModeOff** – Turn direct mode off

## COMMON MISTAKES

1. Ensure the IP address is entered correctly, and the latest version of the driver is installed.