



Integration Note

Manufacturer:	JBL Synthesis
Model Number(s):	SDP-55, SDR-35
Core Module Version:	g! 8.5
Comments:	
Document Revision Date:	15-March-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

It is recommended that the device is installed and configured by a suitably qualified engineer, prior to integration with this driver. To avoid the possibility of communication problems, the device 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_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.