



by



# JBL Synthesis Crestron Home AVReceiver Helper Driver

## User Guide

## Product Manual

[JBL Synthesis Manual](#)

## Overview

Package name (pkg) : Extension\_JBL\_Synthesis\_IP.pkg

Version : 2.0.2

## Features

This Extension driver supports the following functionality:

- Surround Mode

Note - RESERVED is LOGIC\_16 - 9

## JBL Configuration

Prior to setting the driver up in Crestron Home ensure that the JBL Synthesis is fully configured and works correctly. Please refer to documentation provided by JBL to setup the unit (link at top of document).

## Support

If you require support for this driver please fill in a support request at <https://janustechnology.co.uk/support/>

Please ensure you provide the following information.

- Driver version you are using.
- Platform you are using e.g. Crestron Home
- Firmware version of your JBL Synthesis.
- Firmware version of your Crestron system.
- A full description of the issue you are having and how to recreate the issue.

## Troubleshooting

- Confirm that correct IP address is entered into the IP address field
- Confirm that correct Port is entered (if required).
- Check the JBL Synthesis can be pinged from the control system controller. If the ping fails check your network configuration and cabling.
- For IP devices we recommend using a static IP address. Ensure this is done in either the device or router.

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## JBL Synthesis Crestron Driver

# Release Notes

## Changes

Driver Release Version: 2.0.2 - Home Release

**2023-01-06**

### **Version Tested**

- AVR Firmware: 1.60/

### **Fix Issue**

- Added missing property to the DAT files

Driver Release Version: 2.0.1 - Simpl/Home Release

**2023-01-06**

### **Version Tested**

- AVR Firmware: 1.60/

### **Fix Issue**

- fix issue for Volume and Source selection being slow in FW1.60

Driver Release Version: 2.0.0 - Simpl/Home Release

**2023-01-06**

### **Version Tested**

- AVR Firmware: 1.45/09
- Crestron Series 3 Processor Firmware: 1.502.3151.19579

- Crestron Series 4 Processor Firmware: 2.8000.00015
- Crestron Home Version: 3.017.0098
- Simpl Windows: 4.2000.00.00
- Device Database: 200.230.001.00
- Crestron Database: 214.05.004.00
- Crestron Toolbox: 3.1221.0004.0
- SIMPL+ Cross Compiler: 1.3
- Crestron SIMPL# Pro: 2.0.50727
- Crestron Home SDK: 14.0.8.0

## Enhancements

- Holding down volume keys on remote now ramps volume as expected
  - Project updated to use latest libraries
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## Driver Release Version: 1.5.2

**2022-05-05**

## Version Tested

- AVR Firmware - 1.45/09
- Crestron Home Version - v3.008.0079
- Simpl Windows - 4.15
- Device Database: 200.90 (build: 200.9000.002.00)
- Crestron Database (cnctrldb22000.mdb) : 206.05 (build: 206.0500.004.00)
- Crestron Toolbox: 3.09p30 (build: 3.0930.0043.0)
- SIMPL+ Cross Compiler: 1.3
- Crestron SIMPL # Pro v2.000.0058
- SDK 8.0.0.2

## Enhancements

- Added API Passthrough

## Bug Fixes

- N/A

## Exceptions

- N/A
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## Driver Release Version: 1.5.1

**2021-07-07**

Home Change Only

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## Driver Release Version: 1.5.0

**2021-07-07**

### Version Tested

- AVR Firmware - 1.45/09
- Crestron Home Version - v3.008.0079
- Simpl Windows - 4.15
- Device Database: 200.90 (build: 200.9000.002.00)
- Crestron Database (cnctrldb22000.mdb) : 206.05 (build: 206.0500.004.00)
- Crestron Toolbox: 3.09p30 (build: 3.0930.0043.0)
- SIMPL+ Cross Compiler: 1.3
- Crestron SIMPL # Pro v2.000.0058
- SDK 8.0.0.2

### Enhancements

- Added Tone Ctls
- Added Audio Connections
- Separated Models in the PKG file

### Bug Fixes

- N/A

### Exceptions

- N/A
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## Driver Release Version: 1.4.4

**2021-08-23**

### Enhancements

- Update userguide with supported models

## Bug Fixes

- N/A

## Exceptions

- N/A

## Version Tested

- AVR Host 727
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4617.00032
  - Crestron Home Version - v3.007.0071
  - Simpl Windows - 4.17
  - Device Database - 200.9000.002.00
  - Crestron Database - 206.0500.004.00
  - Simpl+ - 4.06.00
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.17.00.05
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## Driver Release Version: 1.4.3

**2021-08-19**

## Enhancements

- Added new models

## Bug Fixes

- N/A

## Exceptions

- N/A

## Version Tested

- AVR Host 727
- Crestron Series 3 Processor Firmware - v1.502.3151.19579
- Crestron Series 4 Processor Firmware - v2.4617.00032
- Crestron Home Version - v3.007.0071
- Simpl Windows - 4.17

- Device Database - 200.9000.002.00
  - Crestron Database - 206.0500.004.00
  - Simpl+ - 4.06.00
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.17.00.05
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## Driver Release Version: 1.4.2

**2021-07-07**

### Enhancements

- N/A

### Bug Fixes

- CH Change only (see CH manual)

### Exceptions

- N/A

### Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.006.0132
  - Simpl Windows - 4.15
  - Device Database - 200.7000.003.00
  - Crestron Database - 205.0000.004.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.4.1

**2021-06-29**

### Enhancements

- N/A

## **Bug Fixes**

- Update User Guides

## **Exceptions**

- N/A

## **Version Tested**

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.006.0132
  - Simpl Windows - 4.15
  - Device Database - 200.7000.003.00
  - Crestron Database - 205.0000.004.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## **Driver Release Version: 1.4.0**

**2021-05-28**

## **Enhancements**

- N/A

## **Bug Fixes**

- Fixed issues with adding multiple drivers

## **Exceptions**

- N/A

## **Version Tested**

- AVR Firmware - 1.45/09
- Crestron Series 3 Processor Firmware - v1.502.3151.19579



- Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.006.0132
  - Simpl Windows - 4.15
  - Device Database - 200.7000.003.00
  - Crestron Database - 205.0000.004.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.3.4

**2021-05-12**

AFFECTS CRESTRON HOME ONLY

### Enhancements

- N/A

### Bug Fixes

- Added extention driver and zone 1 driver in Crestron Home caused error
- Change IP Address without having to reinstall driver

### Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

### Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.006.0132
  - Simpl Windows - 4.15
  - Device Database - 200.7000.003.00
  - Crestron Database - 205.0000.004.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.3.3

**2021-05-07**

### Enhancements

- N/A

### Bug Fixes

- Fixes for two drivers in crestron home.

### Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

### Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.003.0035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.3.2

**2021-04-09**

### Enhancements

- N/A

### Bug Fixes

- Fixes 3series sandbox compiling error

### Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

## Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.003.0035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.3.1

**2021-02-05**

## Enhancements

- N/A

## Bug Fixes

- Fix for timer call back exception.
- Correctly handle audioInputFeedback.

## Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

## Version Tested

- AVR Firmware - 1.45/09
- Crestron Series 3 Processor Firmware - v1.502.3151.19579
- Crestron Series 4 Processor Firmware - v2.4508.00035
- Crestron Home Version - v3.003.0035
- Simpl Windows - 4.14.20
- Device Database - 200.00.012.00
- Crestron Database - 200.00.002.00
- Simpl+ - 4.05.01
- Simpl+ Cross Compiler - 1.3
- Vision Tools Pro-e - 6.2

- Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.3.0

**Date 2021-02-02**

### Enhancements

- Added extension driver

### Bug Fixes

- N/A

### Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

### Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.003.0035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.2.2

**2021-01-29**

### Enhancements

- Updated internal Libs

### Bug Fixes

- N/A

## Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

## Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Crestron Home Version - v3.003.0035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.2.1

**2021-01-28**

## Enhancements

- Added crestron home modules.

## Bug Fixes

- N/A

## Exceptions

- Issue with updating feedback on AVR Zone 2. Issue currently with crestron.

## Version Tested

- AVR Firmware - 1.45/09
- Crestron Series 3 Processor Firmware - v1.502.3151.19579
- Crestron Series 4 Processor Firmware - v2.4508.00035
- Crestron Home Version - v3.003.0035
- Simpl Windows - 4.14.20
- Device Database - 200.00.012.00
- Crestron Database - 200.00.002.00
- Simpl+ - 4.05.01
- Simpl+ Cross Compiler - 1.3

- Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.1.4

**2021-01-25**

### Enhancements

- N/A

### Bug Fixes

- Fixes for 4Series Processors

### Exceptions

- N/A

### Version Tested

- AVR Firmware - 1.45/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version 1.1.3

**2020-11-01**

### Enhancements

- N/A

### Bug Fixes

- Fixes for 4Series Processors

- Add “Access Lipsync Delay control” after each lipsync delay command
- Add missing surround modes
- Fix EQ modes functionality

## Exceptions

- N/A

## Version Tested

- AVR Firmware - 1.42/09
  - Crestron Series 3 Processor Firmware - v1.502.3151.19579
  - Crestron Series 4 Processor Firmware - v2.4508.00035
  - Simpl Windows - 4.14.20
  - Device Database - 200.00.012.00
  - Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.1.2

**2020-11-10**

## Enhancements

- Added Lipsync delay confirmation
- Updated Surround sound modes.

## Bug Fixes

- N/A

## Exceptions

- N/A

## Version Tested

- AVR Firmware - 1.42/09
- Crestron Series 3 Processor Firmware - v1.502.3151.19579
- Simpl Windows - 4.14.20
- Device Database - 200.00.012.00

- Crestron Database - 200.00.002.00
  - Simpl+ - 4.05.01
  - Simpl+ Cross Compiler - 1.3
  - Vision Tools Pro-e - 6.2
  - Smart Graphics Version - 2.15.04.00
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## Driver Release Version: 1.1.0

**2020-09-07**

### Enhancements

- Improve message queuing and retry mechanism for better comms reliability
- Add Room EQ commands
- Change Audio decode mode handling to better fit API
- Other small UI fixes

### Bug Fixes

- N/A

### Exceptions

- N/A
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## Driver Release Version: 1.0.0

**2020-03-02**

Initial version

### Enhancements

- N/A

### Bug Fixes

- N/A

### Exceptions

- N/A
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