

JBL Synthesis URC Driver

Release Notes

Current Version: 1.0.3.22-jbl

Introduction

This driver has been designed to provide two-way control of JBL Synthesis via TCP/IP and RS232. The models supported are:

- SDR35
- SDR55

The driver provides the the following features:

- Source selection
- Transport controls for relevant sources
- Preset selection for relevant sources
- Volume and mute control
- Now playing metadata for relevant sources
- One-way commands for various settings:
 - Display brightness
 - Simulate RC5 IR Command
 - IMAX Enhanced
 - Treble Equalisation
 - Bass Equalisation
 - Room Rqualisation
 - Dolby Volume and Leveller
 - Balance
 - Subwoofer Trim
 - Lipsync
 - Compression
 - Sub Stereo Trim
 - Zone 1 OSD

- Video Output Switching

JBL Synthesis Configuration

It is recommended that the Synthesis be installed, configured and tested by a suitably qualified engineer, according to JBL's documentation, prior to integration with this driver.

This driver was tested with firmware version: 0.100.472.0x34313bd.

Setup notes

VERY IMPORTANT - Before powering on, make sure the power voltage selection switch is in the correct mode.

RS232

If you are controlling the device via RS232 then this must be setup on the AVR: Menu > General setup > control and select **RS232**.

IP

If you are controlling the device via IP then this must be setup on the AVR: Menu > General setup > control and select **IP**.

Subnet

There is no way to set the AVR subnet (always on 255.255.255.0).

Standby Mode

You must setup Standby Mode so that the control system can turn the AVR on:

- Hold "Menu" 4Sec. and then select standby/manual
- Under Menu > HDMI Settings set HDMI Bypass & IP to "On".

Driver Installation

A single driver file is included in the release package:

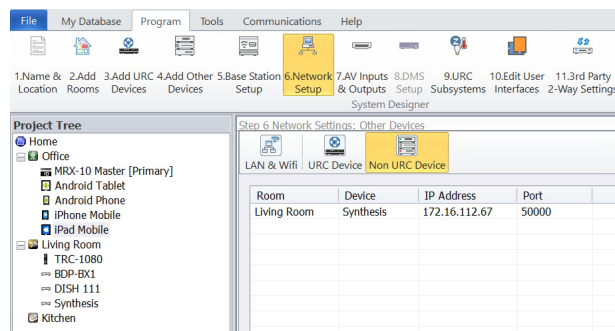
Configuring the Driver

The driver must be configured to properly support your device.

IP Address

The IP Address of the JBL Synthesis must be provided to the driver.

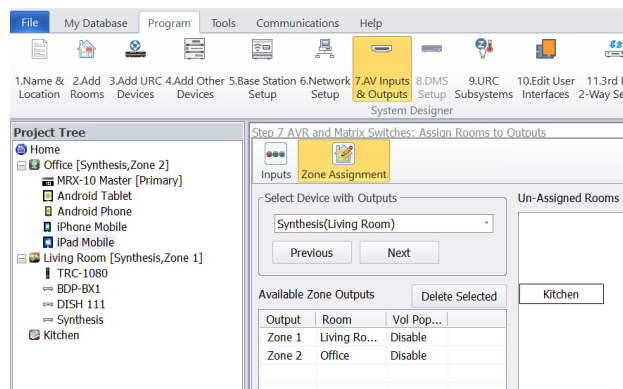
- Choose **Program -> 6. Network Setup.**
- Select **Non URC Device** tab.
- For each instance of the driver, provide the correct **IP address** in the table.
 - Note that the port should be set automatically but for reference the correct port is **50000**



Zone and Input Assignment

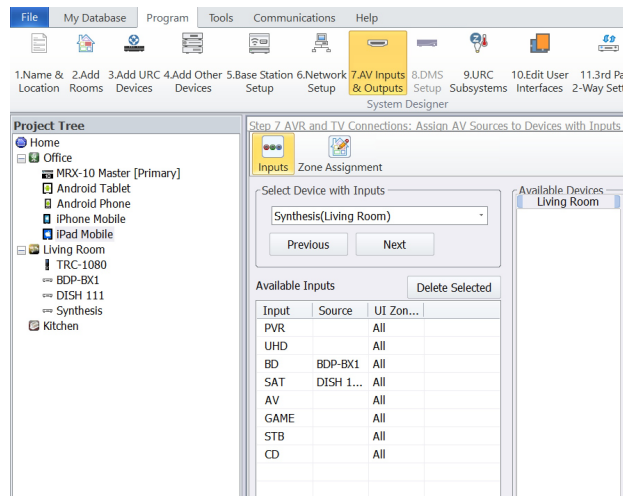
The JBL Synthesis provides support for **2 zones**. These must be assigned to rooms in your Accelerator project.

- Choose **Program -> 7. AV Inputs & Outputs.**
- Select **Zone Assignment** tab.
- Drag rooms from the **unassigned rooms** window into the Room column of the **Available Zone Outputs** table.



Devices can also be assigned as inputs to the JBL Synthesis:

- Choose **Program -> 7. AV Inputs & Outputs.**
- Select **Inputs** tab.
- Drag devices from the **Available Devices** window into the Source column of the **Available Inputs** table.



Macros

Ensure that system macros are generated for each instance of the driver by configuring **Program -> 12. Macro Editing** appropriately for your system.

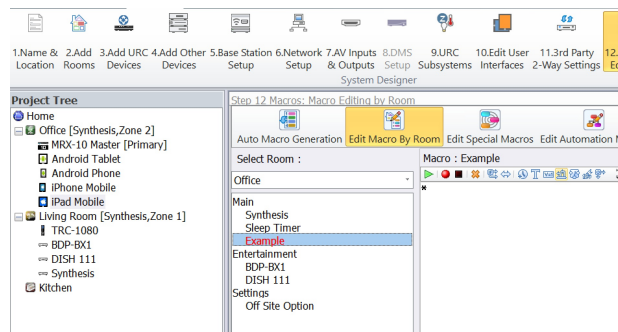
Commands

The following commands can be used to control your JBL Synthesis device:

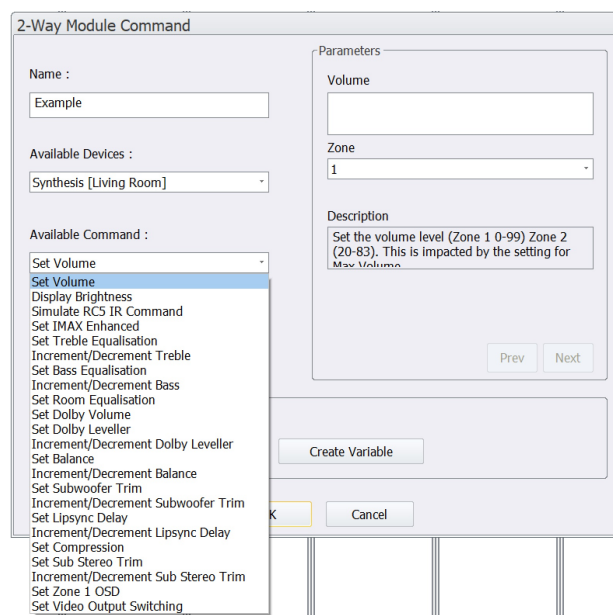
- Display Brightness
- Simulate RC5 IR Command
- Set IMAX Enhanced
- Set Treble Equalisation
- Increment/Decrement Treble
- Set Bass Equalisation
- Increment/Decrement Bass
- Set Room Equalisation
- Set Dolby Volume
- Set Dolby Leveller
- Increment/Decrement Dolby Leveller
- Set Balance
- Increment/Decrement Balance
- Set Subwoofer Trim
- Increment/Decrement Subwoofer Trim

- Set Lipsync Delay
- Increment/Decrement Lipsync Delay
- Set Compression
- Set Sub Stereo Trim
- Increment/Decrement Sub Stereo Trim
- Set Zone 1 OSD
- Set Video Output Switching

To add a command to an existing macro select the **Two-way module command** button from the toolbar under **Program -> 12. Macro Editing:**



Give your command a name and select the appropriate command from **Available Command** - see above for the commands available for each model.



Finally, select **OK** to add to your macro.

Downloading the Driver

Once you have configured the driver using the steps provided above you can now download the revised system configuration to your URC base station.

User Interfaces

The driver package includes pre-designed interfaces for the following devices:

- TRC-820
- TRC-1080
- TDC-7100
- TKP-7500
- TKP-7600
- TKP-5500
- Apple iPhone
- Apple iPad
- Android Phone
- Android Tablet