BluOS™

URC Driver Manual

Revision History			
Version Number	Date	Author	Description
1.2	13/03/2017	Remi P.	First release

Table of Contents

1.0 Introduction

This document describes how to use the BluOS driver for URC.

The 2-way driver provides volume, playback and play queue functionality.

The following Bluesound and NAD players are supported with this driver:

Product	Model	Description
Bluesound Node	N100	
Bluesound Node 2	N110	
Bluesound Powernode	N150	
Bluesound Powernode 2	N180	
Bluesound Pulse Flex	P100	
Bluesound Pulse Mini	P200	
Bluesound Pulse	P300	
Bluesound Pulse 2	P310	
Bluesound Pulse Soundbar	P400	
Bluesound Vault	V500	
Bluesound Vault 2	V510	
NAD M50	M50	Streaming media player and ripper
NAD M50.2	M50.2	Streaming media player and music vault
NAD CI580	CI580	Rackmount quad output streaming media player
NAD CI720	CI720	Rackmount streaming media player and amplifier
NAD BluOS MDC Card	C390	Optional MDC slot streaming media player. Goes into NAD C390, C368, C388, M12 and M32 chassis.
NAD VM130 MDC Card	VM130	Optional MDC slot 4K HDMI card and streaming media player. Goes into NAD T758 chassis.
NAD VM300 MDC Card	VM300	Optional MDC slot 4K HDMI card and streaming media player. Goes into NAD T777 chassis.

2.0 Create Accelerator Project

Accelerator is the software tool used to integrate BluOS driver into URC system.

Open Accelerator, click on menu "File" => "New". Complete the company and system information and "Save to Project Tree". Save the project.

2.1 Import TCM file

Lenbrook has created a BluOS TCM driver. It is available on the Lenbrook support website in the dealer section (http://support.bluesound.com) or through the URC dealer portal.

In Accelerator click menu "File" => "Import TCM Files". An **Import Total Control Module** window will pop up. Leave all options checked and select **Import.** You must **Restart** the Accelerator after importing the TCM Module.

2.2 Configure and Download

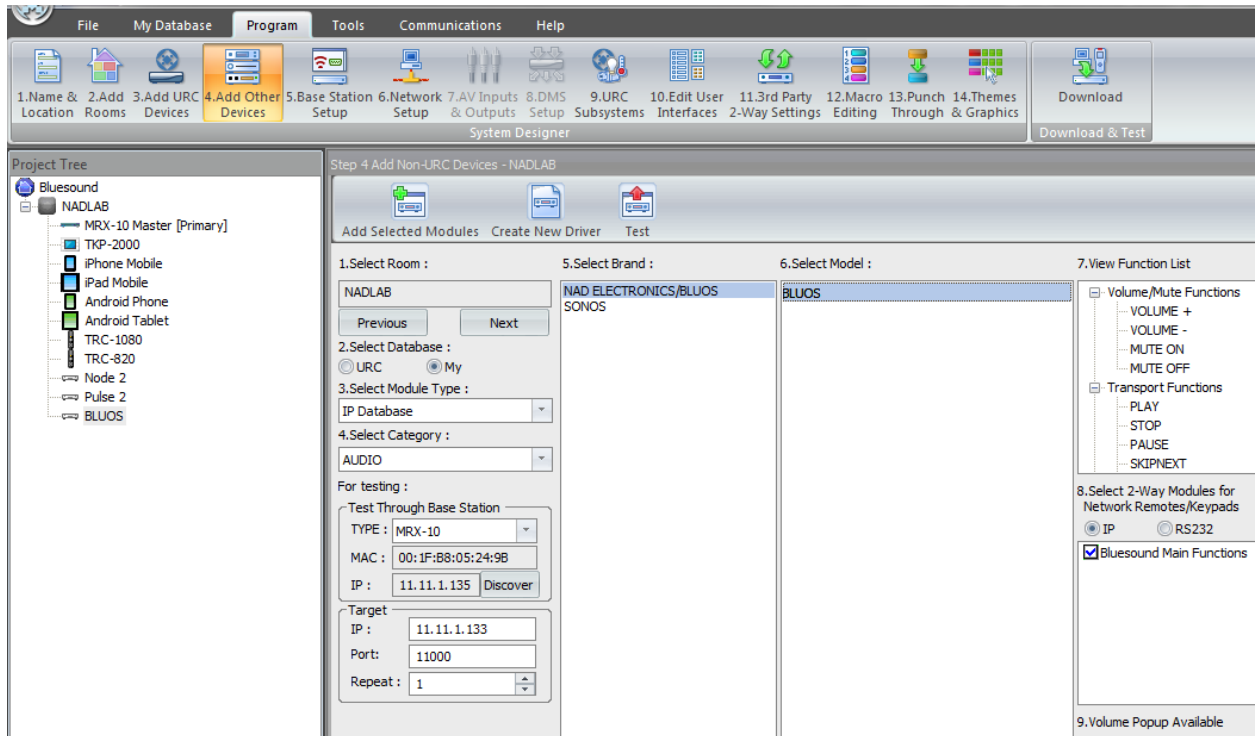In Accelerator, select "Program" to configure the project.

Step 1) Name & Location

Step 2) Add Rooms

Step 3) Add URC Devices: base station, remote/keypad

Step 4) Add Other Devices. This step is where BluOS Players are added. See screenshot step 4).

> 1) Select Room where the players will be added
>
> 2) Select "My" in Select Database
>
> 3) Select "IP Database" in Select Module Type
>
> 4) Select "Audio" in Select Category, and enter target (player) IP and port
>
> 5) Click "NAD ELECTRONICS/BLUOS" in Select Brand
>
> 6) Double click "BLUOS" in Select Model. This will add "BLUOS" player in the project tree. Rename "BLUOS" to the
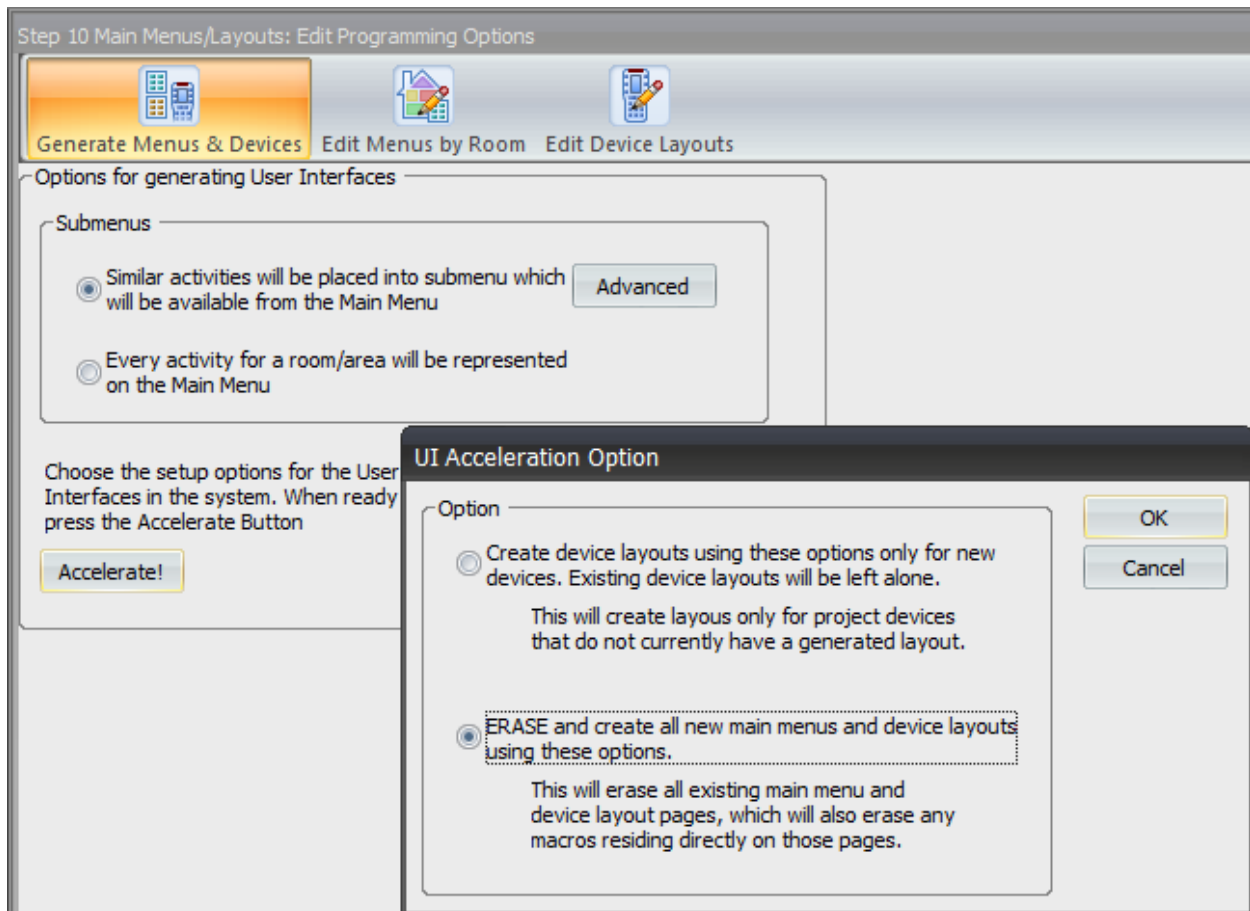>
>   player name you like.

Step 6) Network Setup

    1) Set up "LAN & Wifi" and Save

    2) Network for "URC Device": Select a URC device and click on "Refresh". Click on "Assign" after the device is

        discovered. (Assume remote has WiFi set up already)

    3) Network for "Non URC Device". Enter IP and Port for the players.

Step 10) Edit User Interfaces

Click on "Accelerator!" and choose "ERASE and create all new main menus and device layouts using the options" in the pop up "UI Acceleration Option" window and click on "OK"
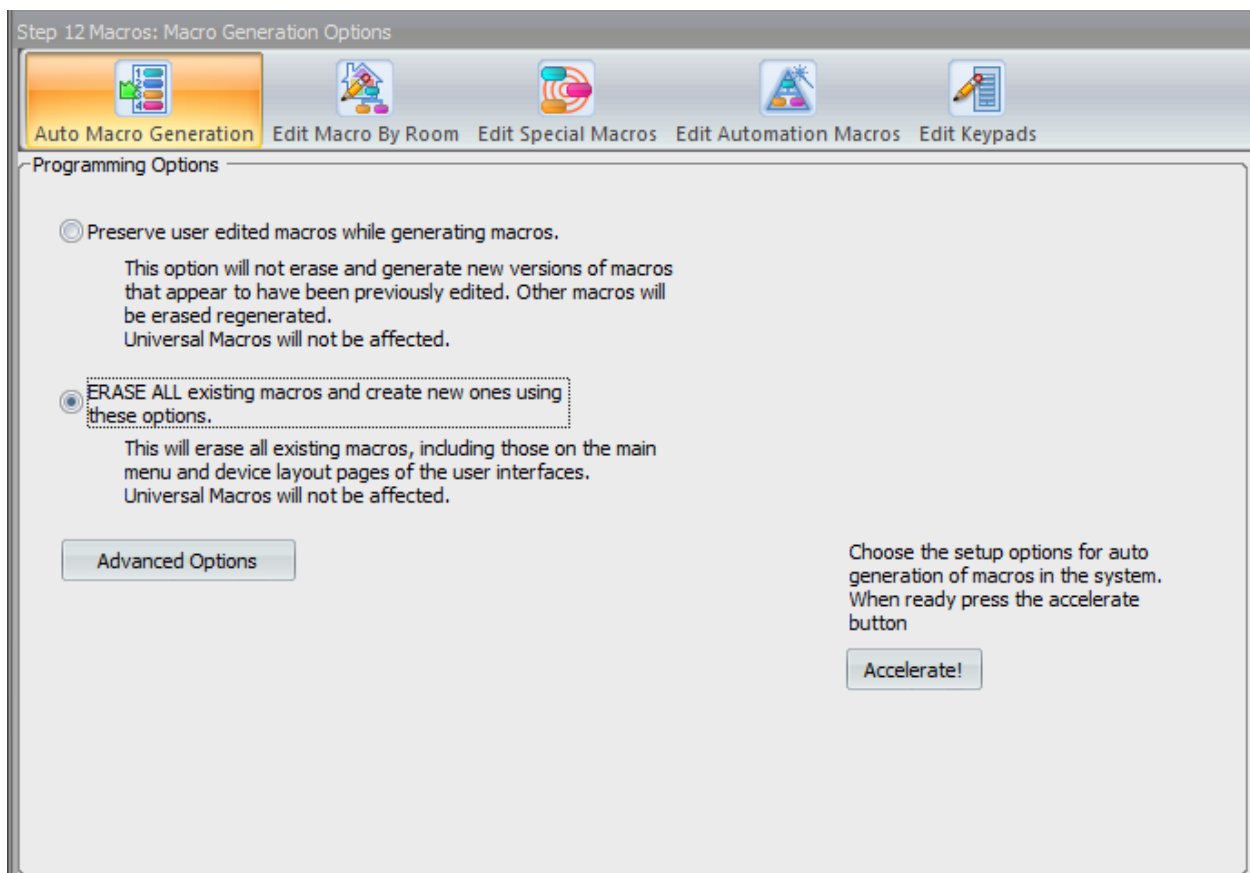
Step 11) 3rd Party 2-Way Settings

Select the right device and check if the IP and Port are correct.

Step 12) Macro Editing

Choose "ERASE ALL …" and click on button "Accelerate!"

Auto Macro Generation   Edit Macro By Room   Edit Special Macros   Edit Automation Macros   Edit Keypads

Programming Options

○ Preserve user edited macros while generating macros.

This option will not erase and generate new versions of macros that appear to have been previously edited. Other macros will be erased regenerated.
Universal Macros will not be affected.

● ERASE ALL existing macros and create new ones using these options.

This will erase all existing macros, including those on the main menu and device layout pages of the user interfaces.
Universal Macros will not be affected.

[Advanced Options]

Choose the setup options for auto generation of macros in the system. When ready press the accelerate button

[Accelerate!]

Step 13) Punch Through

    Select the room and device. Choose the Punch From for Channel, Navigation, Play/Stop…, and Number. Then click "Save". The example below shows when Node2 is selected on remote, volume/mute, channel, navigation, play/stop, and number keys on remote controls Node2.

Step 13 Punch Through

Punch To :
Punch From :

1. Select Room :
NADLAB

Volume, Mute :
Node 2 (NADLAB)

2. Select Device :
Main
Node 2
Pulse 2
Other Devices

Channel :
Node 2 (NADLAB)

Navigation :
Node 2 (NADLAB)

Play,Stop.. :
Node 2 (NADLAB)

Number (0-9, +10, ENT) :
Node 2 (NADLAB)

Select All   Clear All

Save

Step 15) Download

Save the changes and download system configuration to the selected URC devices.

3.0 Support

For technical support issues, contact technical support at http://support.bluesound.com or email support@bluesound.com.

4.0 Appendix A – Set Up Remote WiFi

For the TRC-1080 and TRC-820 remote controls, press and hold "MAIN" and "ENT" buttons for 3 seconds to enter settings page. Navigate to Network to set up the WiFi.

For other remotes, please check the Owner's Manual from URC for WiFi setup instructions.

4.1 Appendix B – Check Firmware Update

The URC Controller (aka Base Station) does not need a manual firmware update. When you download the system configuration to the base station, the firmware will be automatically updated (if there is any newer version).

To check base station's firmware version, go to Network Setup, choose the base station in "URC Device" tab, and click "DHCP". The pop up window has a "Version Check" button to show the firmware version.

4.2 Appendix C – BluOS Port Numbers

All BluOS players use port 11000 for API communications. For example http://192.168.1.100:11000/Status returns the status of a player.

However, The NAD CI580 has four streaming players in one chassis. These four players share the same IP address. To access each node of a CI580, use the following ports:

CI580 Node	Port
1	11000
2	11010
3	11020
4	11030