BluOS™

ELAN Driver Manual

Revision History			
Version	**Date**(mm/dd/yy)	**Author**	**Description**
1.0.0	04/02/2018	R. Pan	Initial release.
1.1.0	08/30/2018	R. Pan	Added installation note for CI580. Updated sect 3.4 to add "Save Queue". Updated known issues.
1.2.0	12/09/2019	R. Pan	Updated screenshots and added a note for direct input in sect 2.4
1.4.0	05/10/2021	R. Pan	Updated section 1.0 and added section 3.7-3.8 for media favorites.
1.6.1	12/23/2022	R. Pan	Updated section 2 for installation; added section 3.10 for grouping.

Table of Contents

1.0 Introduction

This document describes how to install, configure and use the BluOS Media Comm driver, Media Renderer driver, and BluOS ELAN Zone Controller drivers. The driver suite was created for the ELAN gSC2 and gSC10 controllers.

The driver suite supports all BluOS players. It provides functionality for now playing, transport control, volume control, presets, play queue, service browsing, service search, and media favorites. Media Comm driver does player discovery, automatic installation of Zone Controller drivers and Media Render driver. It also serves internal communication between players. Zone Controller drivers provides volume controls, source switch, and grouping. Media Renderer driver works as a source to the Zone Controller driver, providing metadata browsing, service browsing, service search, transport control, and media favorites.

This driver suite requires g!Tools version 7.3.77.0. It requires ELAN Controller firmware 8.7.514.0 or higher. The driver supports the latest BluOS firmware.

The driver suite includes the following drivers. It has one Media Comm driver and one Media Renderer driver for one project, and one Zone Controller for each type of player in a project.

```
BluOS_MEDIA_COMM.EDRVC
BluOS_MEDIA_RENDERER.EDRVC
BluOS_AlphaiQ_ZONECTLR.EDRVC
BluOS_Attessa_ZONECTLR.EDRVC
BluOS_B100S_ZONECTLR.EDRVC
BluOS_B160S_ZONECTLR.EDRVC
BluOS_B400S_ZONECTLR.EDRVC
BluOS_BSP125_ZONECTLR.EDRVC
BluOS_BSP200_ZONECTLR.EDRVC
BluOS_C389_ZONECTLR.EDRVC
BluOS_C700_ZONECTLR.EDRVC
BluOS_C3050_ZONECTLR.EDRVC
BluOS_CI1580_ZONECTLR.EDRVC
BluOS_M10_ZONECTLR.EDRVC
BluOS_NODE_ZONECTLR.EDRVC
BluOS_POWERNODE_ZONECTLR.EDRVC
BluOS_PULSE_ZONECTLR.EDRVC
BluOS_VAULT_ZONECTLR.EDRVC
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2.0 Installation

Ensure that your players are running the latest version of BluOS firmware and all players to be configured are on the same network. Install Media Comm driver manually, which will then install one set of Media Renderer driver and Zone Controller driver automatically for each player discovered.
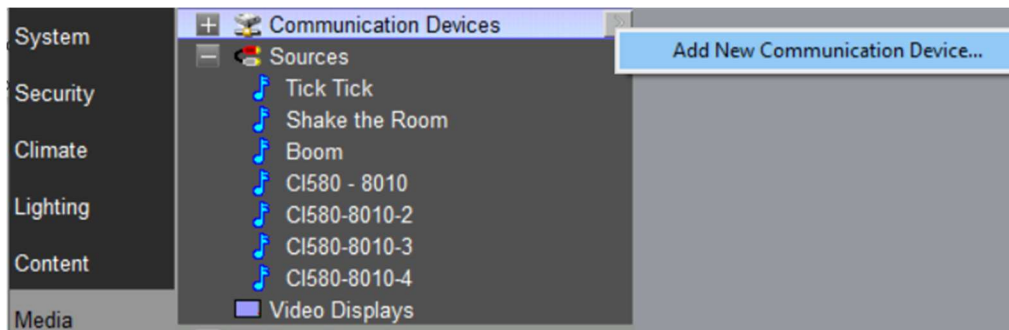
2.1 Copy Drivers to The Right Location

The default folder that the Configurator looks for drivers is set up at the very first time of your using Configurator. Usually you need a customized folder to keep all Elan drivers in. The first time you add a driver, click "Search Folder…" and navigate to the customized folder. After that, every Controller you log into from the same PC will look to that folder for drivers. But you can always navigate to other customized folder that the drivers are in by clicking "Search Folder…" and navigate to it when adding a driver from other customized folders.
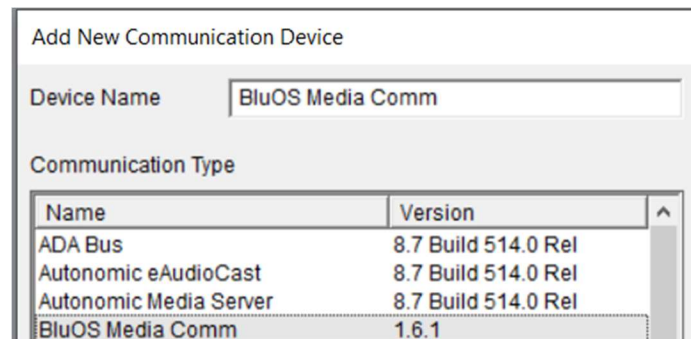
Copy the drivers to your PC either to the first-time setup folder or a new customized folder.

2.2 Install Media Comm Driver

In g!Configurator "Media", right click on "Communication Devices" and click "Add New Communication Device…".
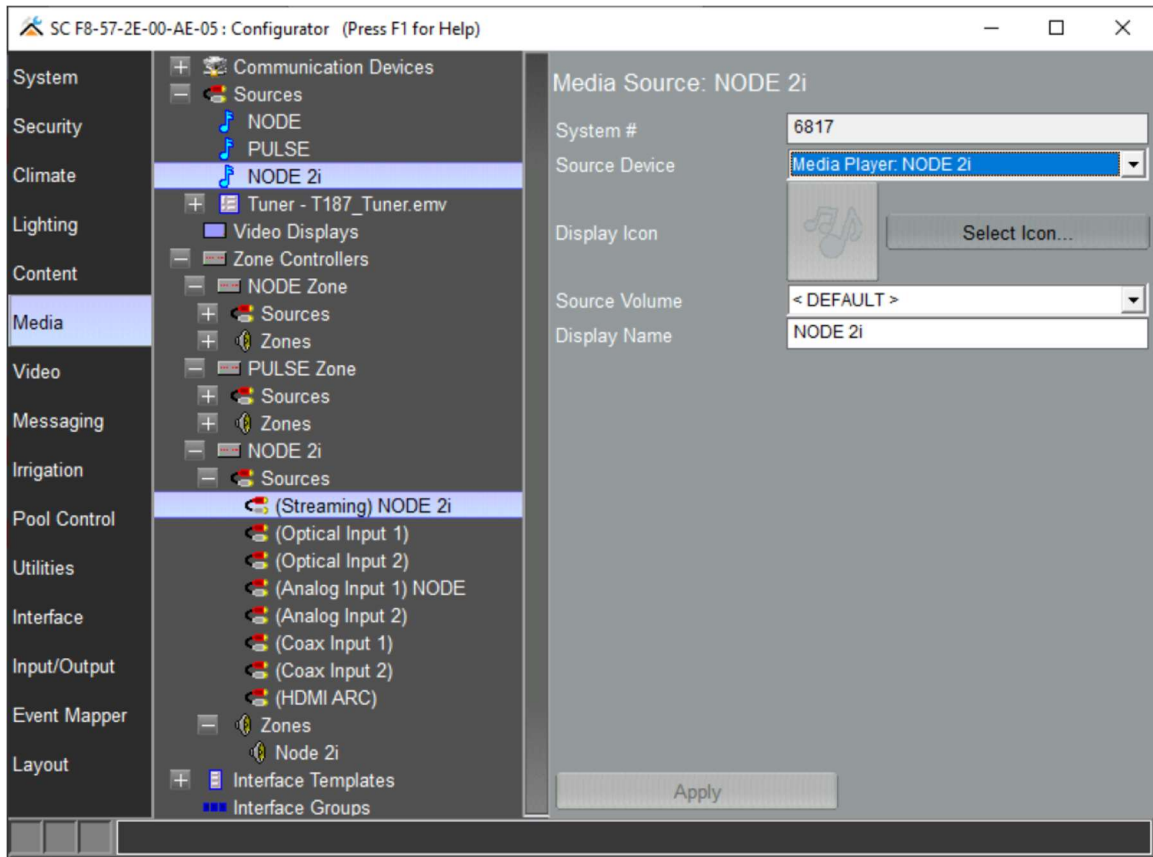

Select "BluOS Media Comm" driver to install. Once it's installed, it'll automatically install a set of Media Renderer driver and Zone Controller driver for each player discovered on network.
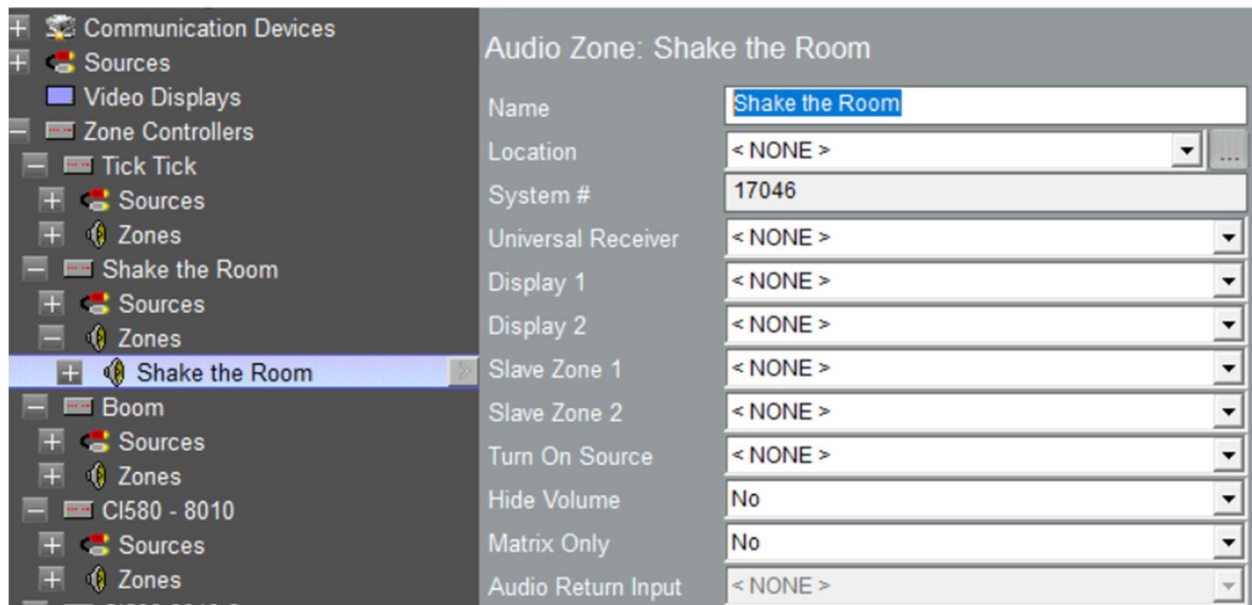
2.3 Assign Source to Zone Controller Driver

One Zone Controller driver needs one Media Renderer source. When Media Comm driver installs Media Renderer and Zone Controller driver, it will automatically assign Media Renderer source to its corresponding Zone Controller driver source "Streaming".

NOTE: Due to driver limitation, please do not change the names of the direct inputs. For example, Optical Input 1 has to stay as Optical Input 1.
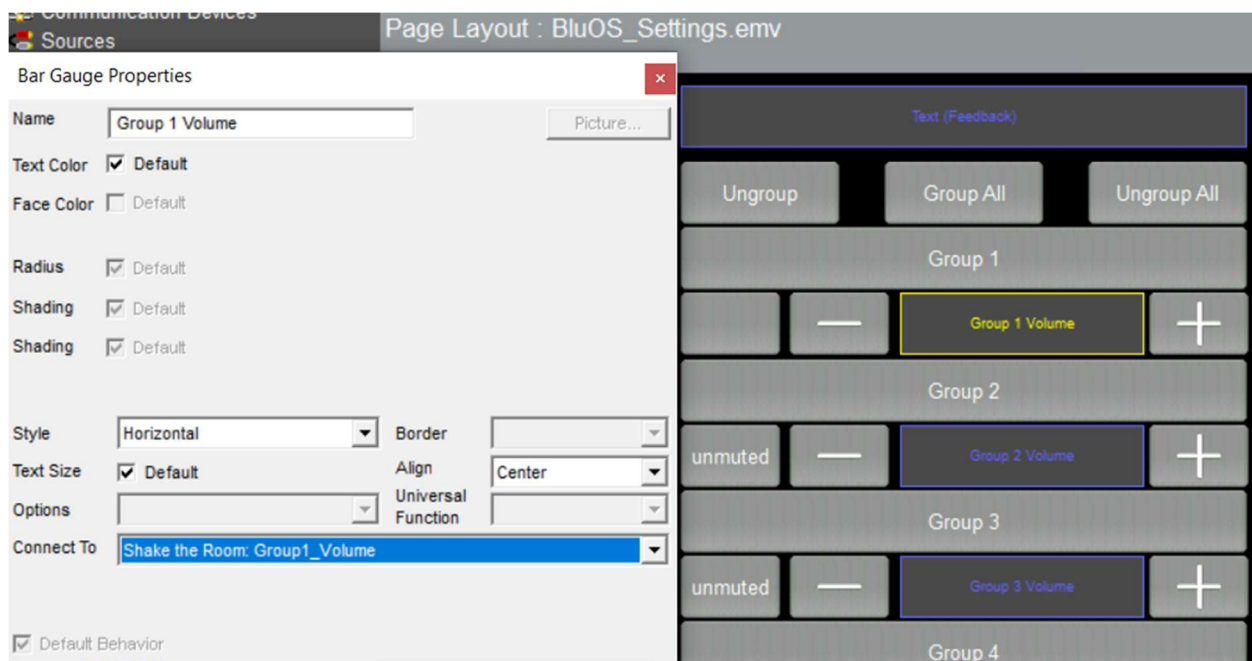
2.4 Update Zone Name for Zone Controller Driver

Theoretically, when Media Render driver and Zone Controller driver are installed, Media Comm driver will automatically name the zone of Zone Controller driver. However, it is not always the case. Make sure to name the zone if it is not named automatically.
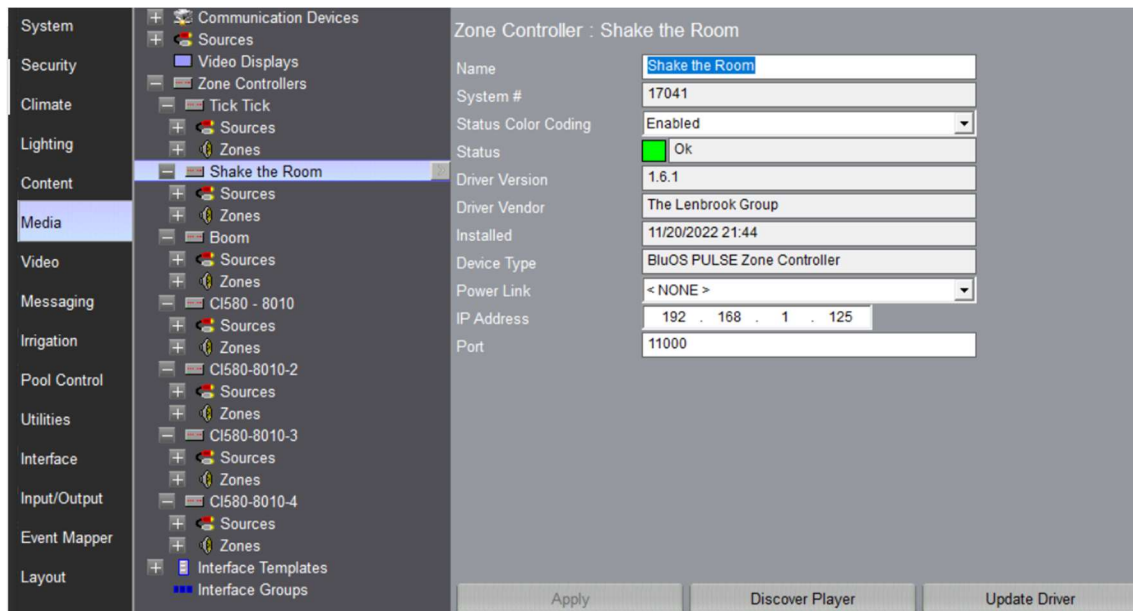
2.5 Configure Zone Controller Driver Group Volume

Group volume bar gauge of a Zone Controller driver needs to be manually assigned in g!Configurator as shown below. Elan will fix it in future.
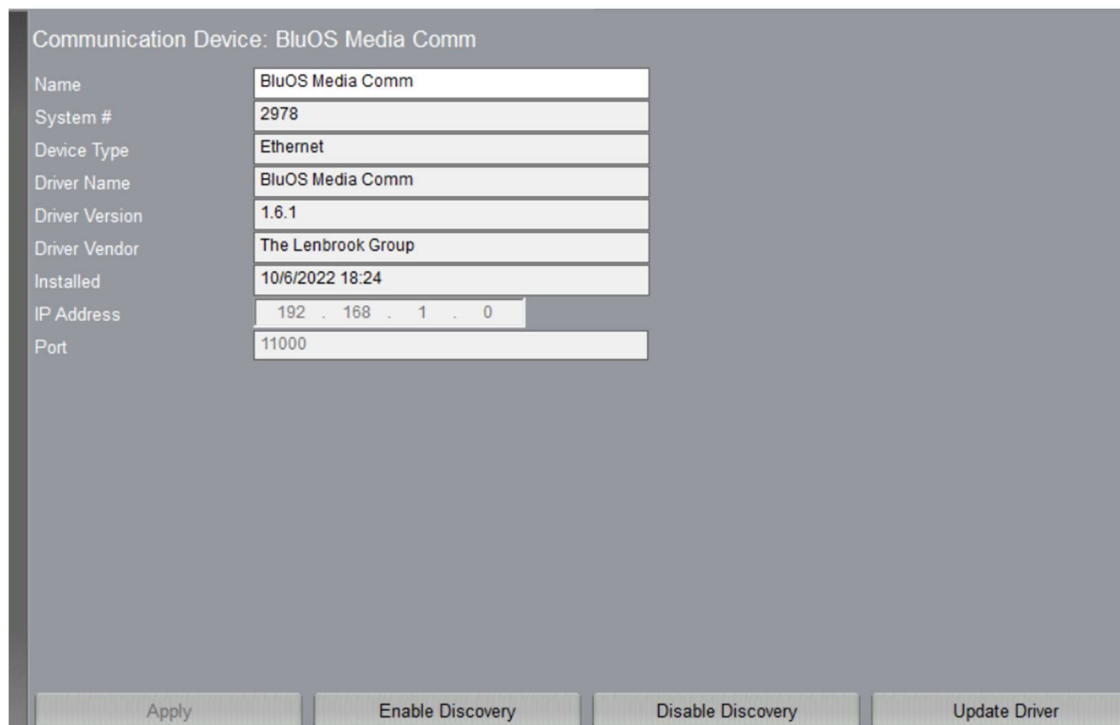
2.6 Update Driver

Each driver has a "Update Driver" button. Click on it to update its driver as necessary. Only one update for one "type" of driver is required. Each Zone Controller driver also has a "Discover Player" button. It can be used to discover the player in case it drops out of network.

Media Comm driver has two buttons "Enable Discovery" and "Disable Discovery" to enable/disable player discovery.

3.0 Using the Driver

The current driver version 1.0.0 provides now playing, presets, play queue, service browsing and searching.
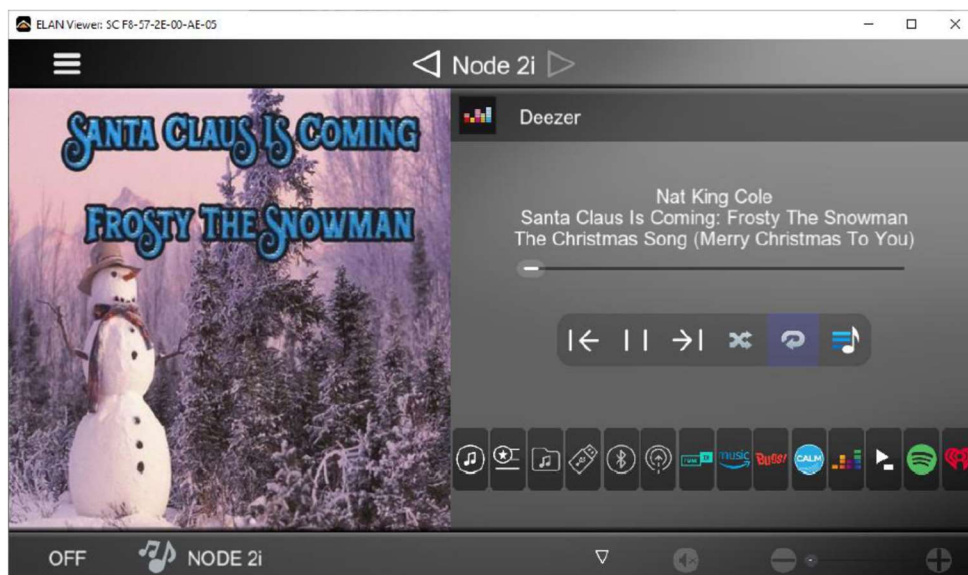
3.1 Launching BluOS ELAN Driver

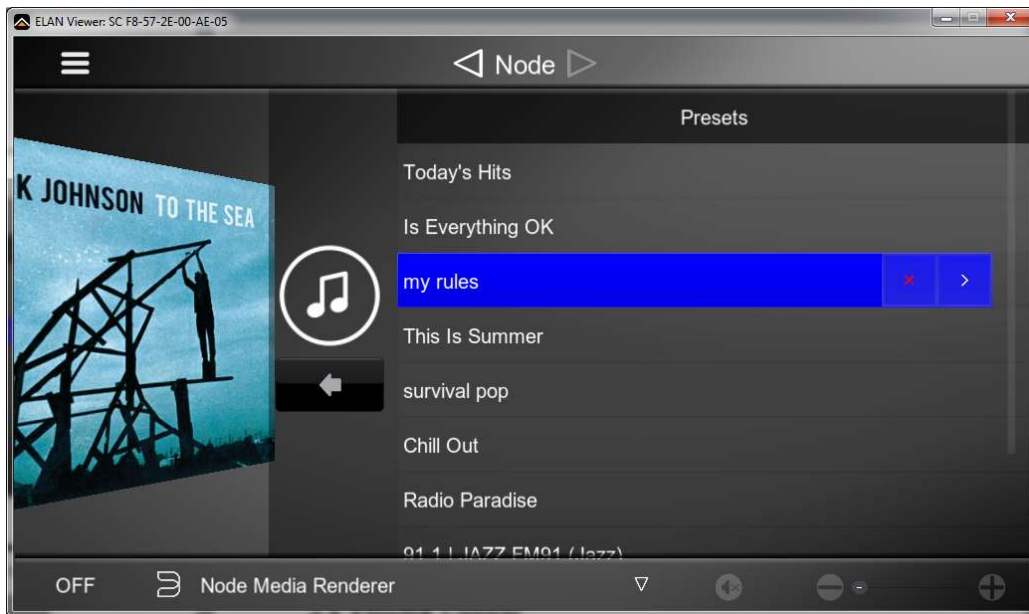Launch g!Viewer or ELAN mobile app. Click "Media" to see all the players installed.

3.2 Now Playing

Click on any of the BluOS players to enter Now Playing page. It has fully supported transport control. Due to ELAN system limit, up to 14 services are supported (including Presets, Playlists, Library, USB, Optical Input, etc.)
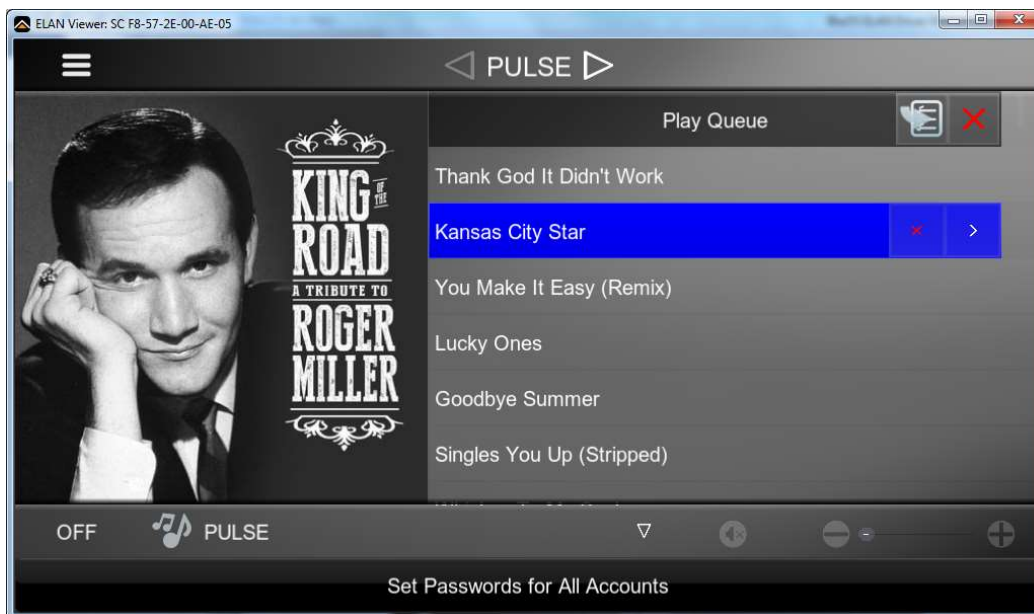
3.3 Presets

Click on "Presets" icon (the first one) will bring up presets list. Each preset has "load" and "delete" actions.
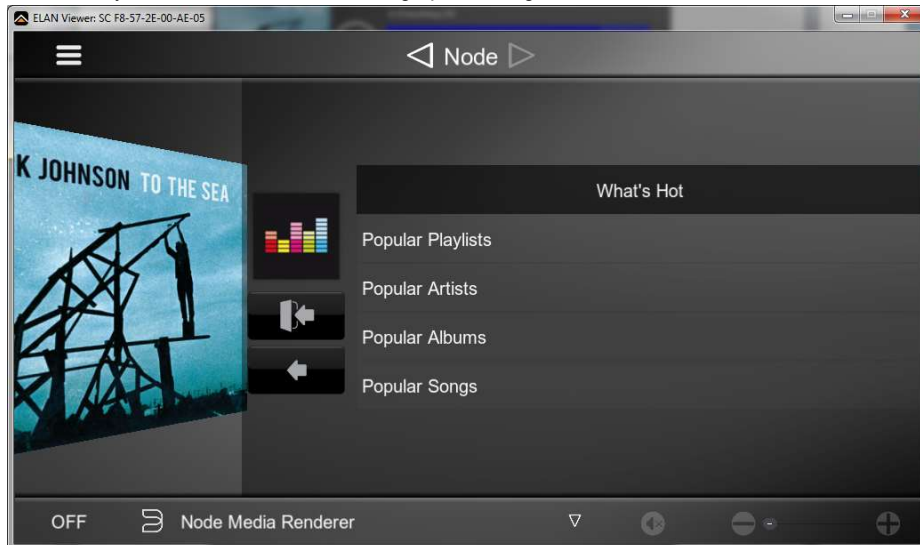

3.4 Play Queue

Click on the right most icon next to transport control keys will bring up play queue. Each track has "Play" and "Delete" actions. And queue has "Save Queue" icon on top right to save the queue.
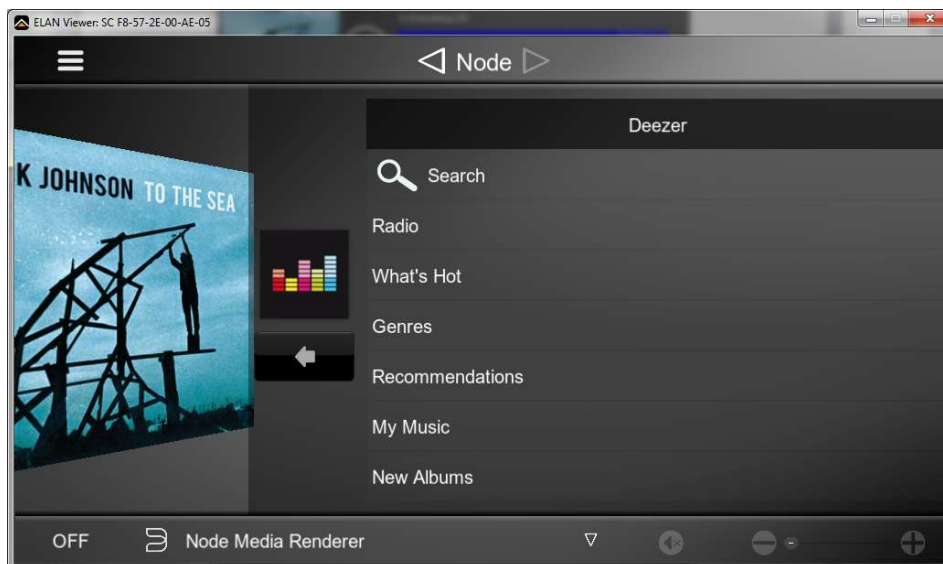
3.5 Services

Click on any music service icons will bring up browsing screen.
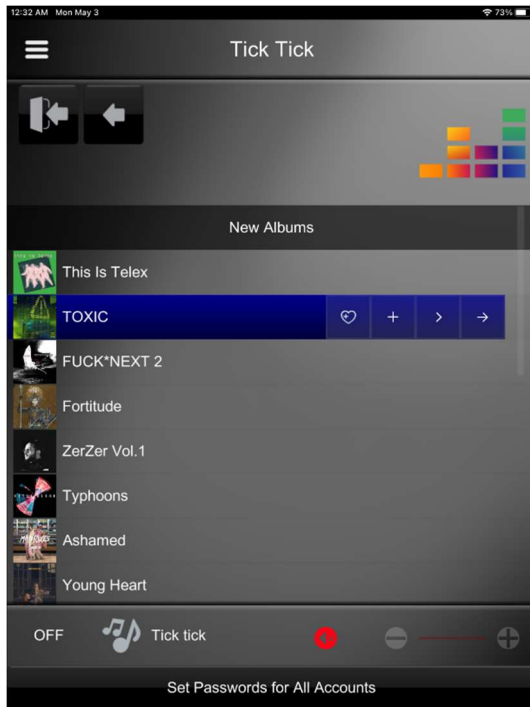

3.6 Search

If a music service has search functionality available, you can click on "Search" on the first page of the music service to do the search.
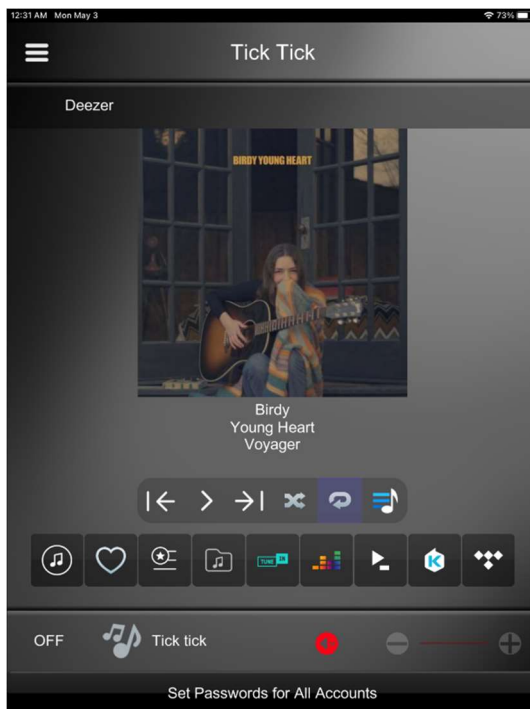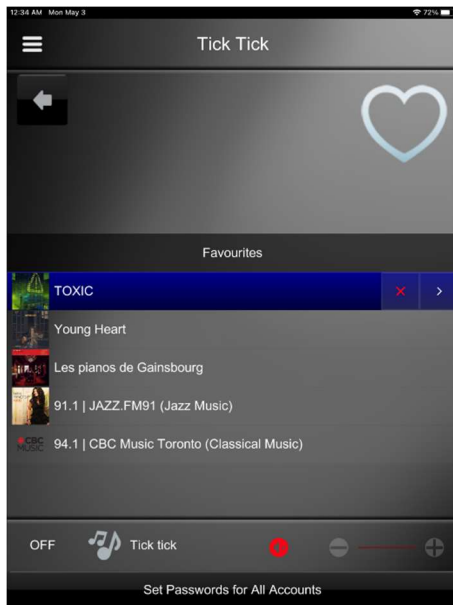
3.7 Favorites

While selecting service album, track, playlist, or station, clicking on the favorite icon (heart icon) will add the item to Favorites and sync to BluOS "My Favorites".

The added favorite items can be loaded when clicking on "heart icon" on main page.

Clicking on "x" will remove the favorited item (synced to BluOS). Clicking on ">" will play the favorited item.
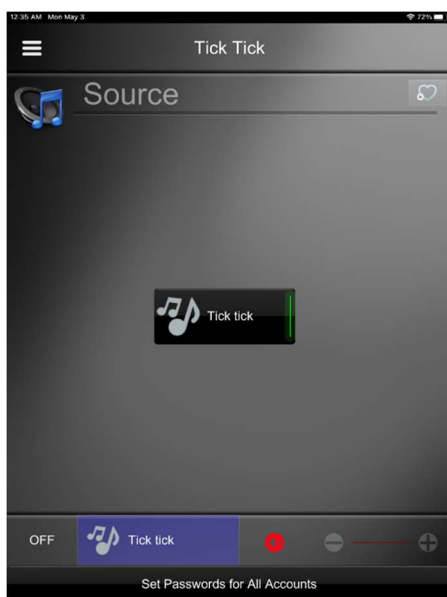

NOTE: Adding / Removing favorite an item in Elan will also add/remove the item to/from "My Favorites" in BluOS app; but adding / removing favorite an item in BluOS app does not affect Favorites items in Elan. Favorite items in Elan are more like a shortcut of playing the items in a fast way.
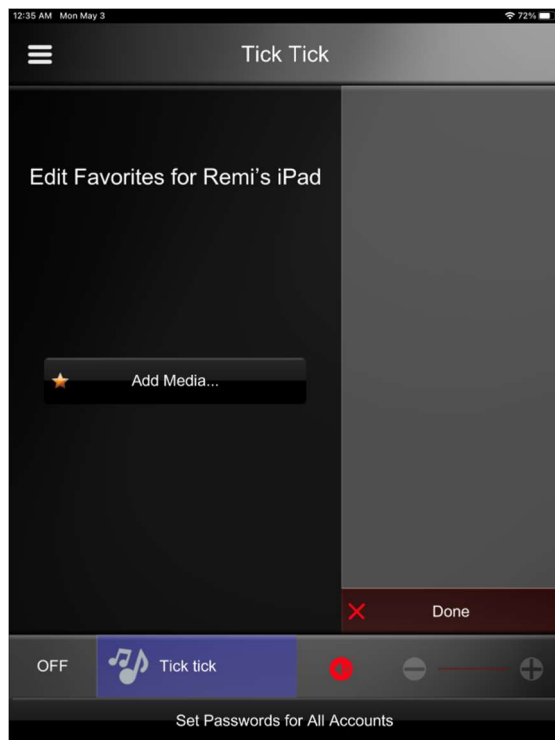
3.8 Media Favorites

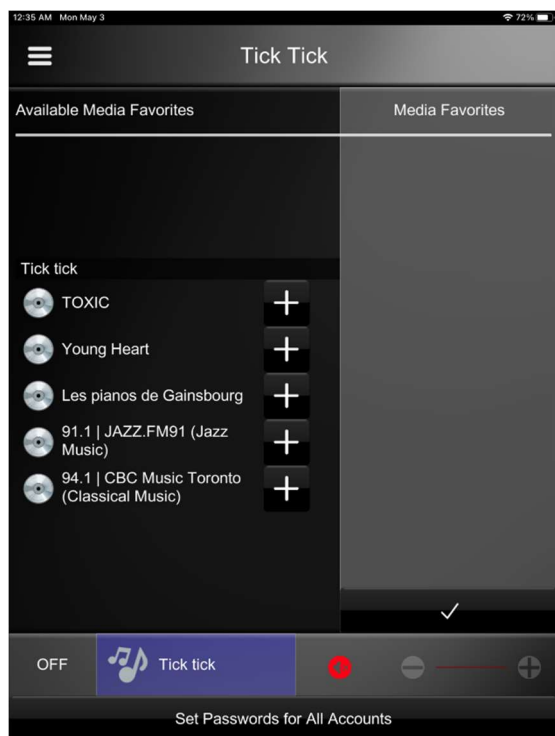Once "Favorites" is available, the favored items can be added to ELAN Media Favorites.

First, click on the heart shape on top right as it shows below.
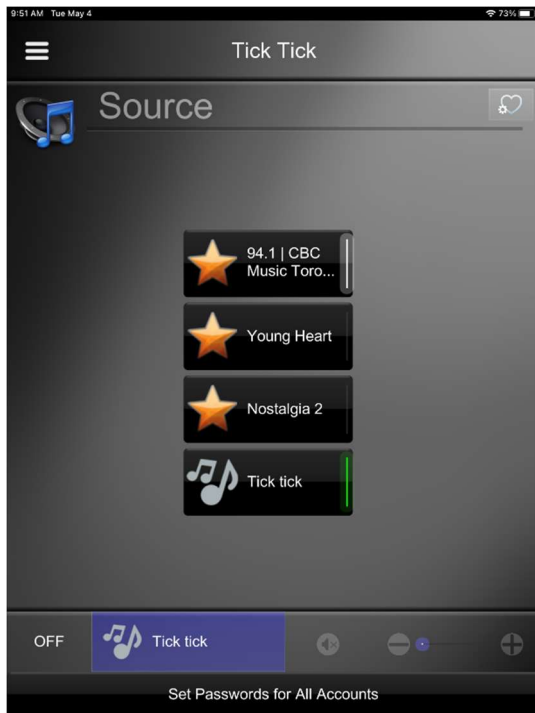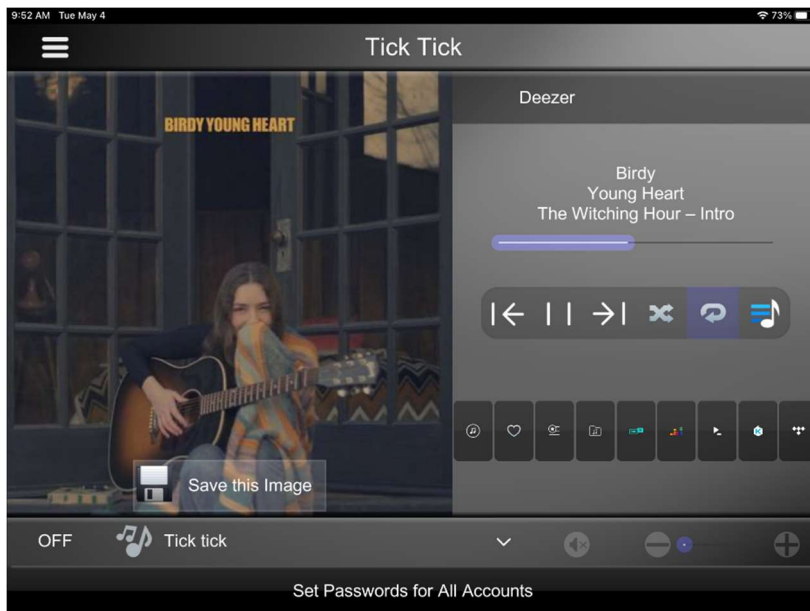
Then click "Add Media…"

From the listed favorite items, click on "+" sign to add a favorite item to Elan Media Favorites.

Once a favorite item is added to Media Favorites, it will look like below. Clicking on the item will start to play immediately.
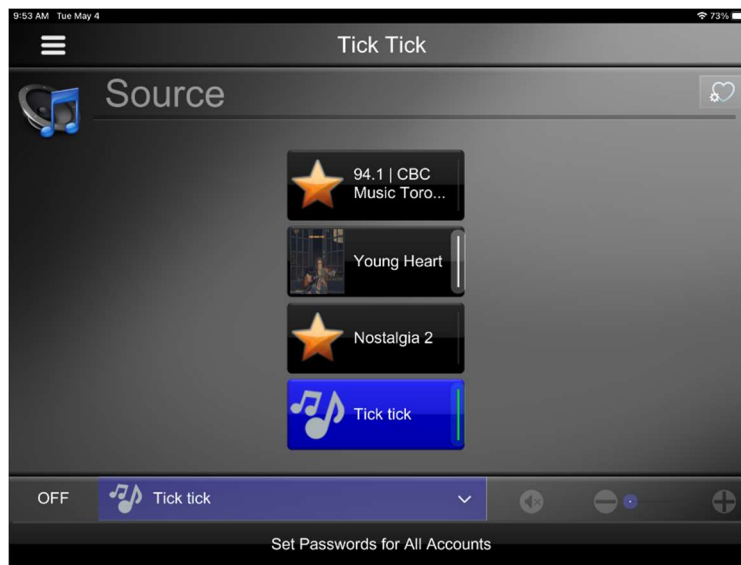

Tap any media favorite item will start to play the item, for example "Young Heart". Press and Hold the cover art of the item, and tap "Save this Image" to change the cover art of the favorite item.

Note: Update the icon of a favorite item only works in horizontal in Viewer.

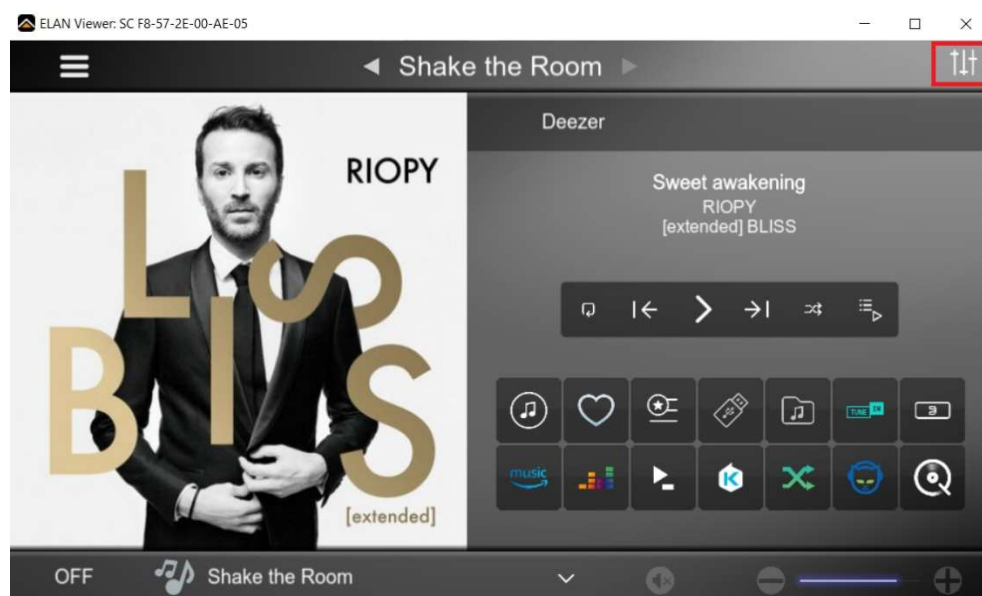The icon of the favorite item is changed from "star" to the right cover art.

3.9 Volume Control

Click on "+", "-", and "mute" button at the bottom can control player volume.

3.10 Grouping

Click on the settings icon on top right of a zone for grouping UI.

The grouping UI will show as below.

Notes:

- Does not provide fixed grouping UI but only shows feedbacks of fixed groups.
- Must select a group first before grouping or ungrouping.
- How to group - Select a group and then select a player to be added to the group. The first player added to the group is the master if the player is a fixed group master or not at all grouped.
- *Group All* will group all players to the current zone player if the zone player is not a slave.
- The driver supports up to 8 groups and 32 players but the grouping UI only supports up to 5 groups and 12 players. Users can always add their own UI to have up to 8 groups and 32 players.

4.0 Support

For technical support issues, contact BluOS technical support at http://support.bluos.net or email support@bluos.net.

5.0 Known Issues

The following issues are known to exist.

Driver Version	Issue	Workaround
1.4.0	Cover art and album art with "https" url may not display properly	None.
All	Both Repeat and Repeat Once are treated as Repeat.	None. Elan only supports two states.
All	Deleting multiple tracks from queue may not update the queue properly.	Leave the queue page and return to the queue page again.
All	Grouping feature is not supported yet.	None.