BIAMP TESIRA DSP
INTEGRATION GUIDE

Total Control

Biamp Tesira DSP Integration Guide

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Rev 1.2

Overview

URC's Biamp module offers two-way control of **Biamp Tesira** systems.

Module Features:

- **Two-way control** of individual **Level Blocks**.
- **Preset** controls.
- **Custom macro integration**.

Supported Models:

The module is compatible with any **Biamp Tesira** DSP.

URC Compatibility:

URC's Biamp Tesira module is compatible with **Flex 2** and **Accelerator 3**.

Requirements:

- An installed and configured **Biamp Tesira** DSP.
- Access to the **Biamp Tesira** configuration software.

General Information

Module: Biamp Tesira

Developer: URC

Communication: IP

Category: Aux

Module Type: Core/Interface

Multiple Module Support: Yes

Unified: No

URC Compatibility: Flex 2 & Accelerator 3

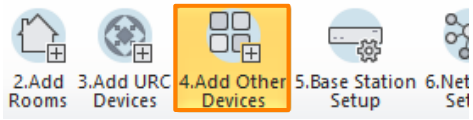
Device Events: Yes

Two-way Module Commands: Yes

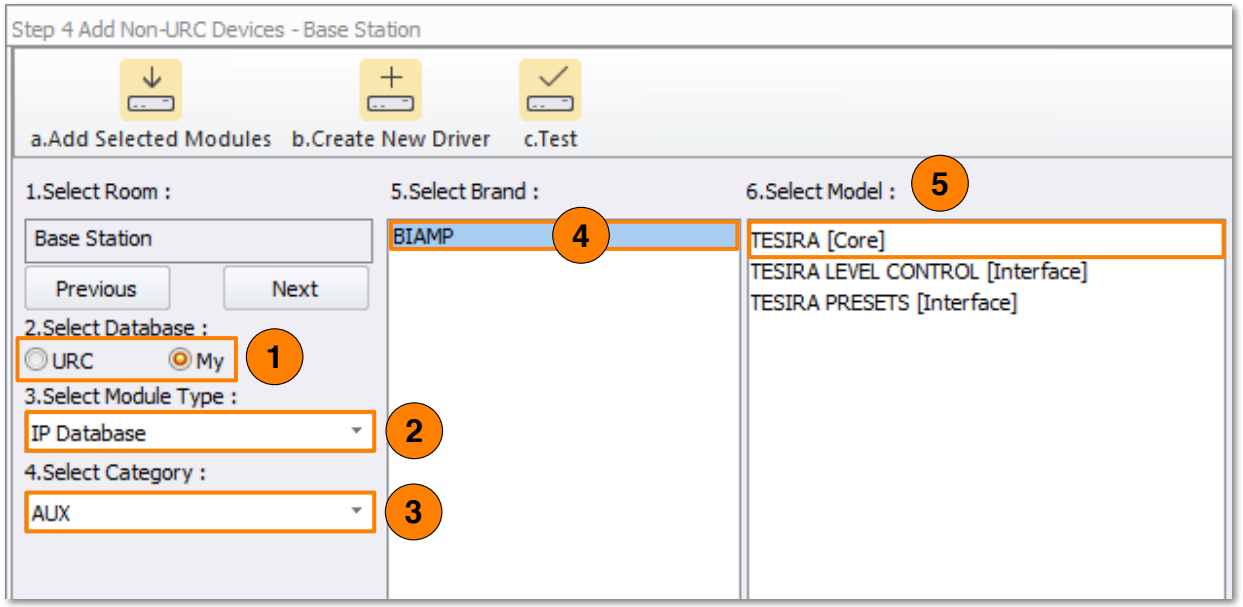
Adding & Configuring the Module

Once you have imported the TCM files, which can be found on the URC Dealer Portal, perform the following to add the modules to a project:

Add Other Devices:

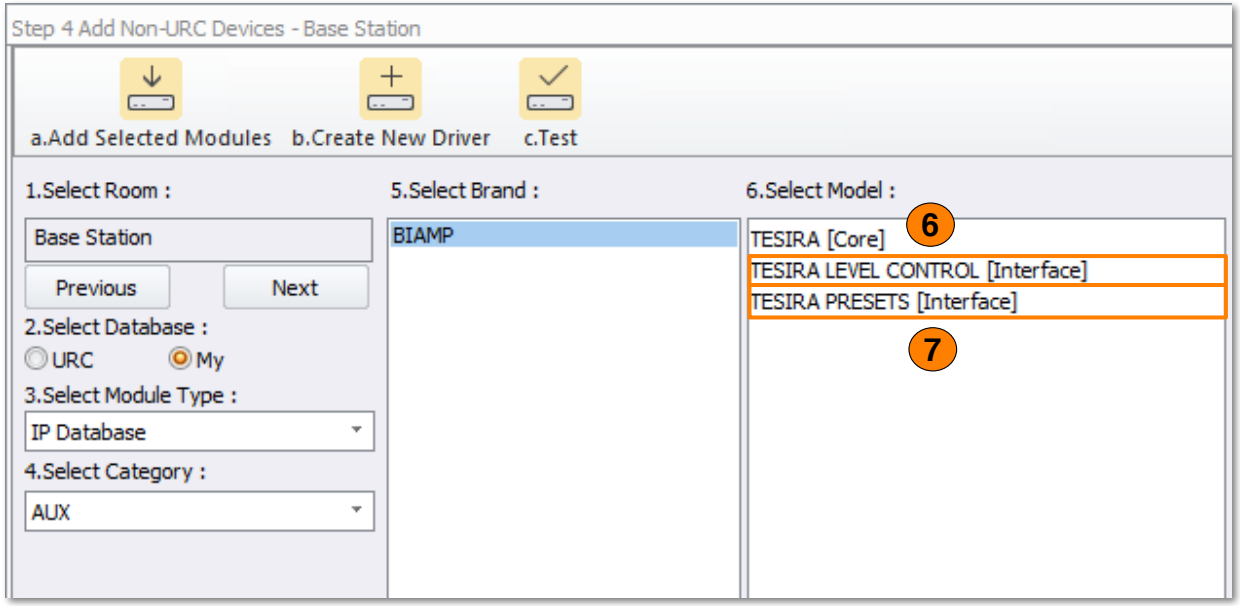


1. Select **My Database**.
2. Select **IP Database**.
3. Select **Aux** category.
4. Select **Biamp**.
5. Add the **Tesira [Core]** to the project. The core must be added before the interfaces.



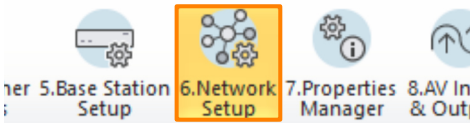
6. Add the **Tesira Level Control [Interface]**. Each interface can be used to control a single **Level Block**. Add an interface for each **Level Block** to be controlled.

7. Add the **Tesira Presets [Interface]**. Unlike **Level Control**, only one **Presets [Interface]** is required for the entire system.

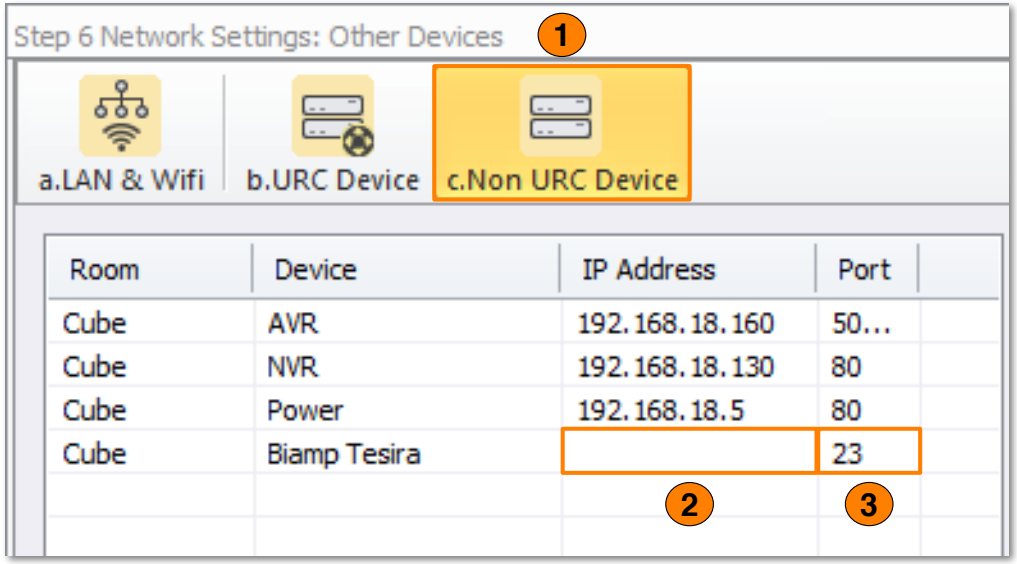


Always place the **[Core]** above the **[Interface]** in the project tree to avoid potential automation issues.

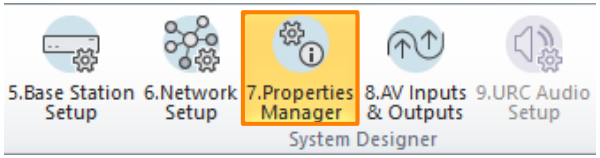
Network Setup



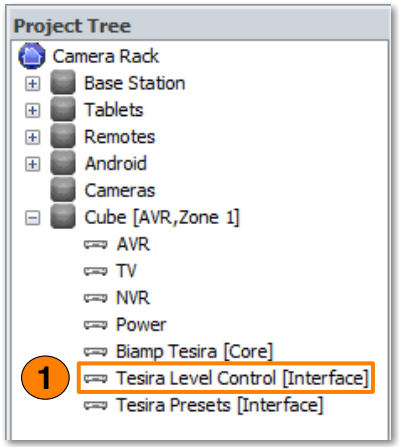
1. Select **Non URC Device**.
2. Enter the **IP Address** for the Biamp DSP.
3. The **Port** by default is set to 23.

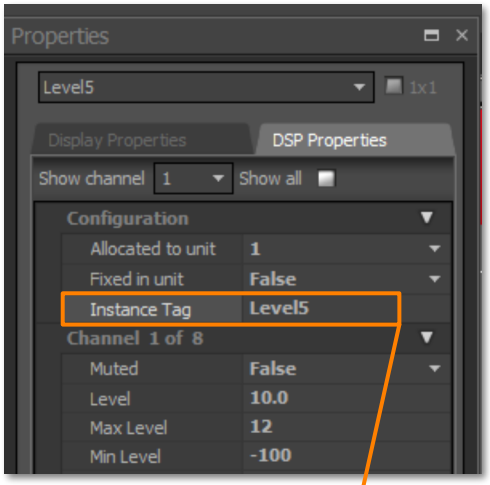


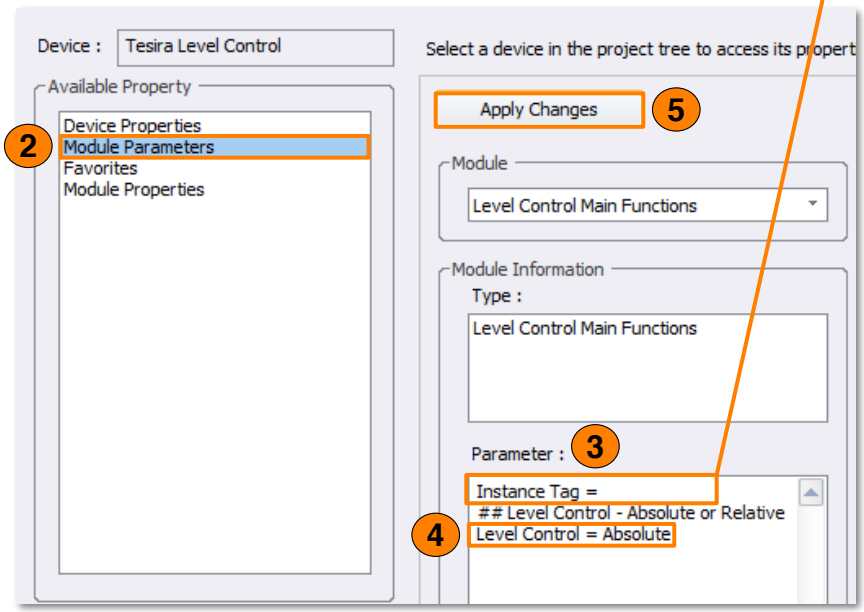
Properties Manager:



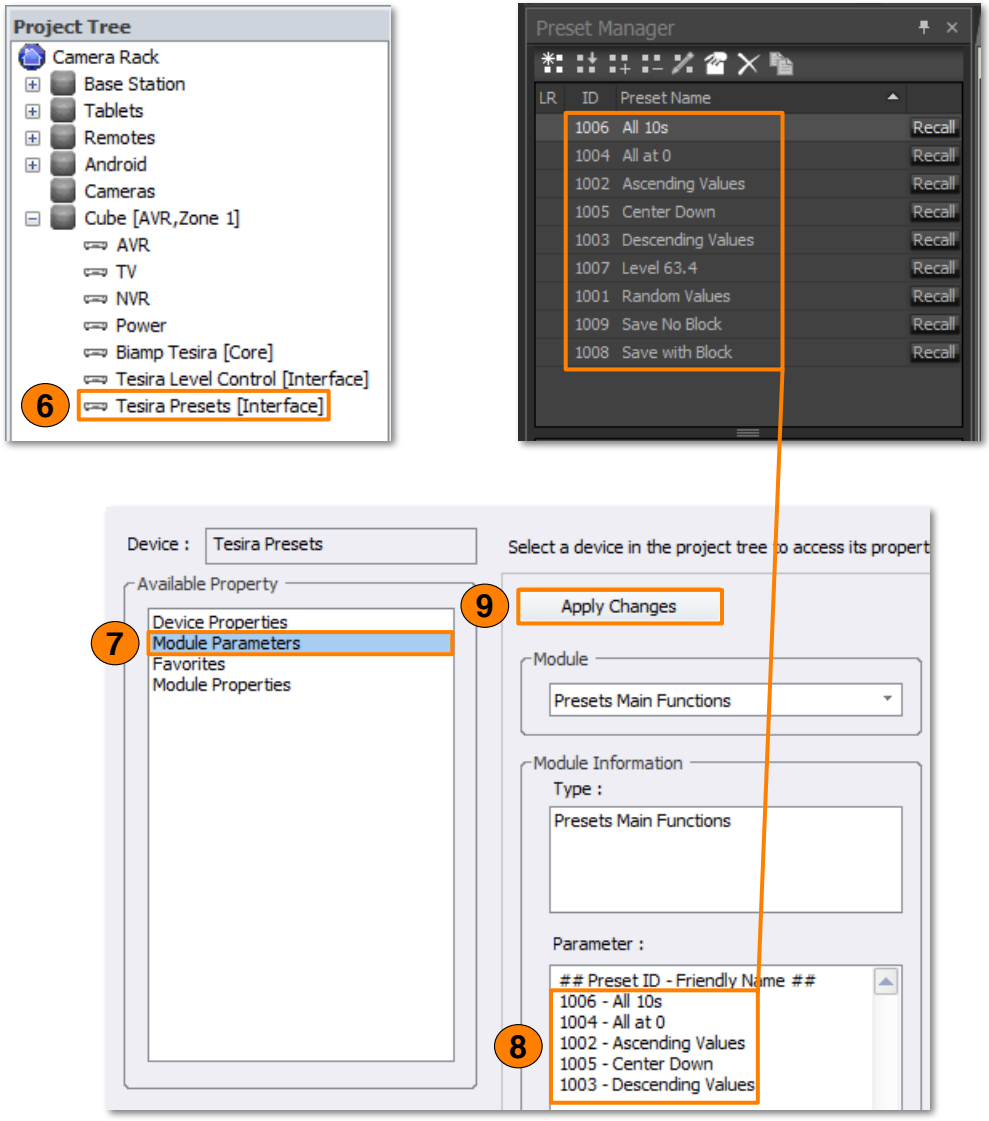
1. Select **Tesira Level Control** from the project tree.
2. Select **Module Parameters** from the available properties list.
3. Enter the **Instance Tag** within the parameter field.
   [Located on the DSP Properties tab within the Biamp software.]
4. If **Relative** volume display is desired, replace **Absolute**.
   [**Relative** = 0%-100% | **Absolute** = -100db - +12db]
5. Select **Apply Changes**.







In **Flex 2**, device properties can be found under **Step 11**.

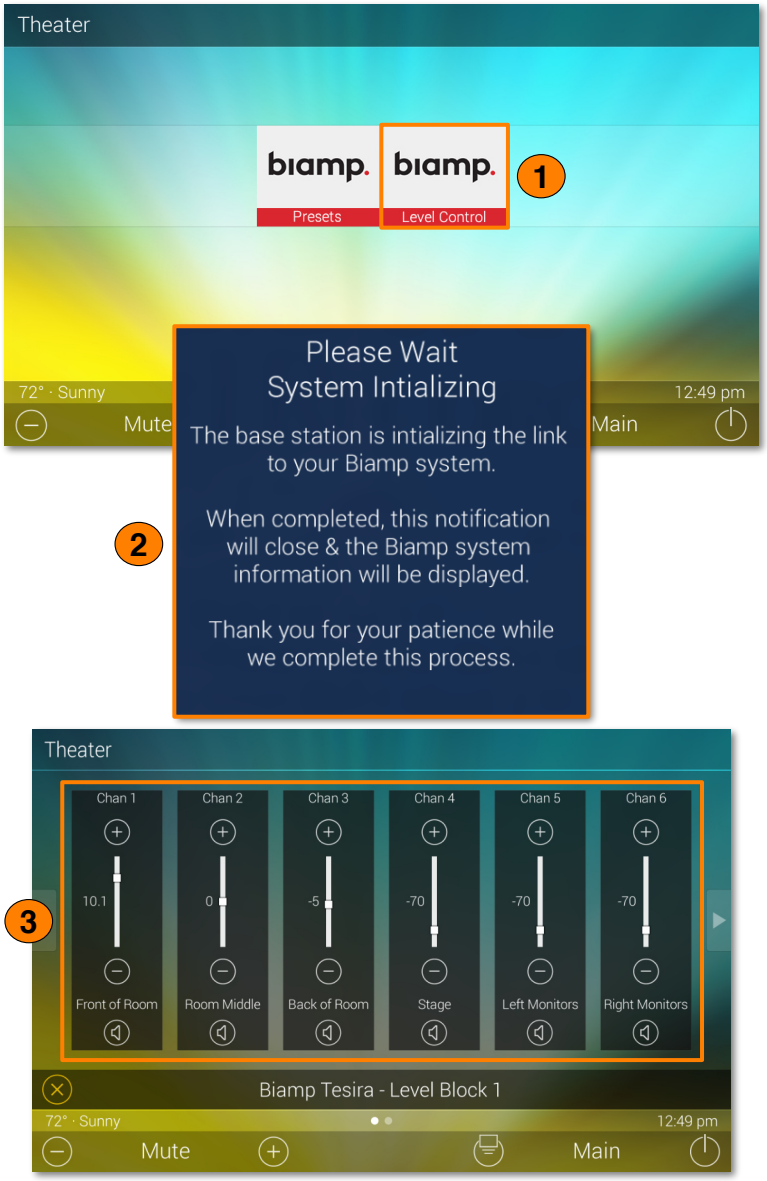


6. Select **Tesira Presets** from the project tree.
7. Select **Module Parameters** from the available properties list.
8. Select the blank space, below the command example, within the parameter field. For each preset, type the **Preset ID**, followed by a **-**, then the desired **Preset Name**, and hit **Enter**.
9. When finished, select **Apply Changes**.

Creation of presets in the Biamp Tesira software is required. Learn more about presets here.

Linking the System:

1. Once the system has rebooted, navigate to and select **Level Control**. By default, it is located on the **Main Menu** of the room.
2. Linking creates a handshake so TC can communicate with the device. It will take a moment or two to complete the process.
3. Once completed, the UI displays the **Level Control** interface.
4. The module is now ready for use.



Two-way Module Commands

Two-way module commands are special one-way functions that are derived from the two-way module, and are the only way to send discrete commands to the Tesira system.

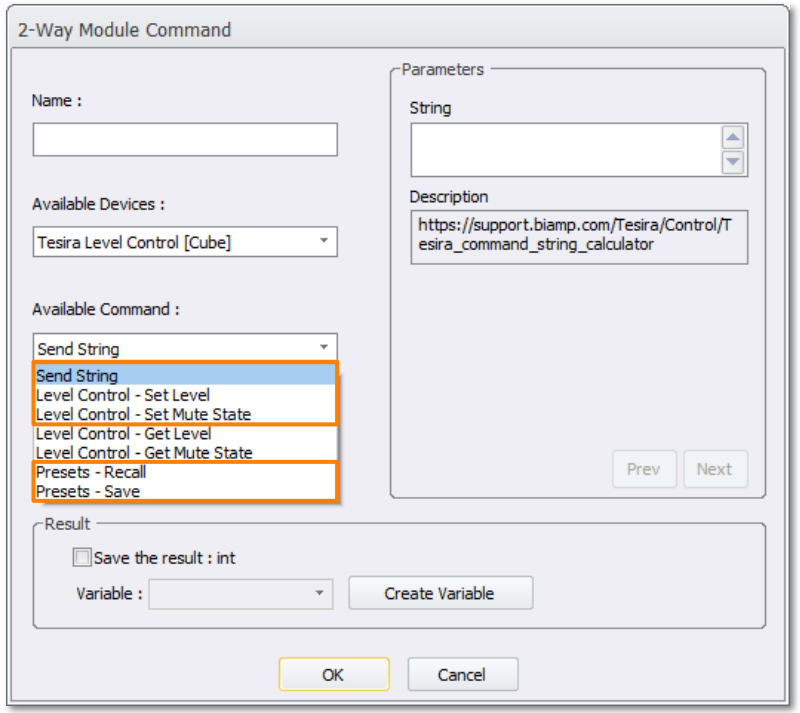
Macros do not function until Total Control and Biamp have been linked.

Level Control and **Presets** interfaces have the same commands available:

- **Level Control - Send String:** A custom command for use in macros. Custom commands can be generated with a string calculator.
- **Level Control - Set Level:** Sets a level to a specific channel within the block.
- **Level Control - Set Mute Status:** Sets the mute state of a specific channel within the block.
- **Presets - Recall:** Switches the current settings to a desired preset.
- **Presets - Save:** Saves the current settings as a preset.

Tesira String Calculator:

To utilize a custom string it must first be generated using the Tesira String Calculator.



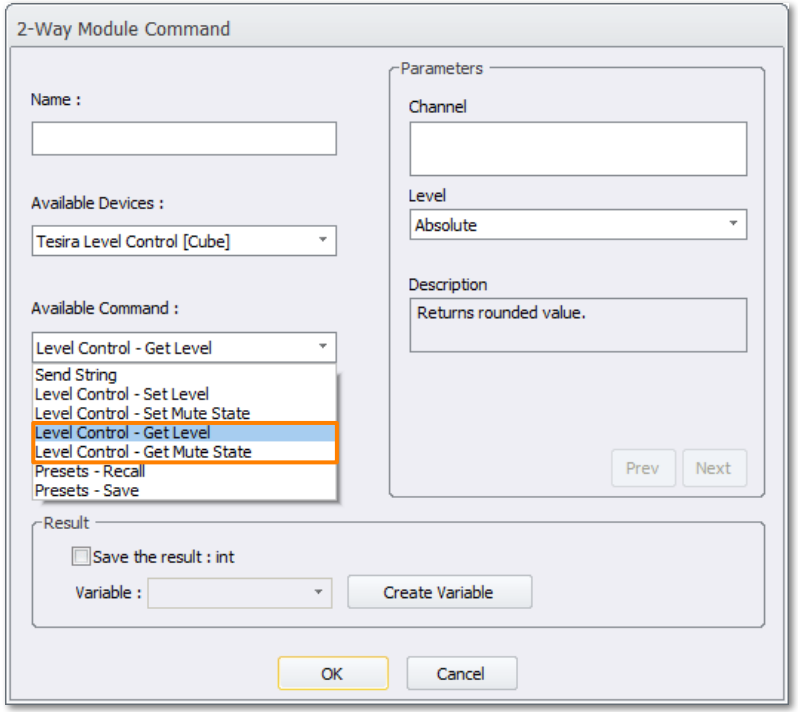
Macros for a level block must be programmed from the corresponding Level Control interface instance.

Preset macros require the creation of presets in the Biamp Tesira software before use. Learn more about presets here.

Query Commands:

Query commands allow the Total Control system to ask another device for information. This information can be saved as a variable, allowing for advanced macro customization based on conditional logic.

- **Level Control - Get Level:** Requests the current level of a specific channel.
- **Level Control - Get Mute State:** Requests the mute state of a specified channel.

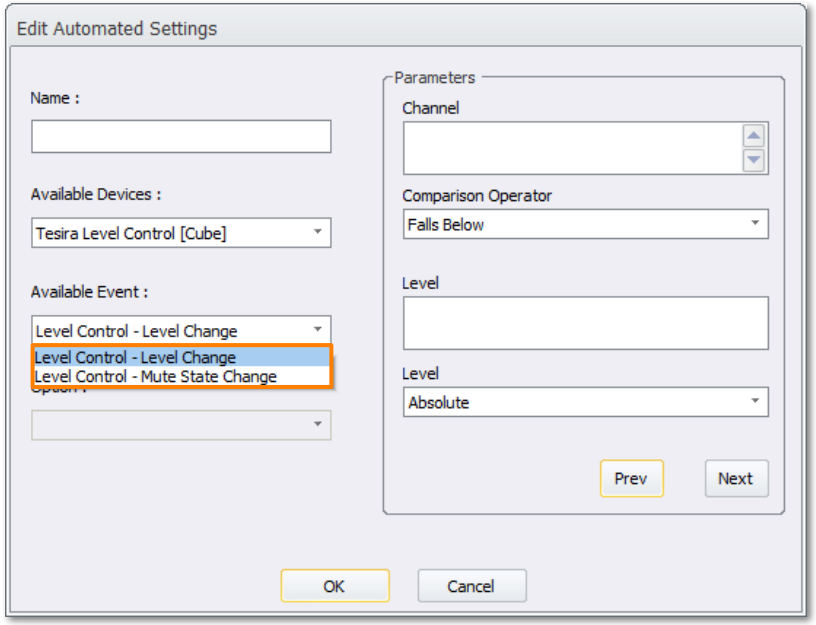


Query commands, variables, conditional logic, Device Events, and more are ONLY available within the **Total Control Experience**. If this option is not available, speak with a **URC Representative** for more details.

Device Events

The Biamp Tesira module has the ability to trigger custom macros based on events or changes in the subsystem.

- **Level Change:** Triggers when the level is changed for a specified channel.
- **Mute State Change:** Triggers when mute state is changed for a specified channel.



Training Resources:

For additional information on using macros in automation, and macro theory, refer to the following Self-Paced Tutorials linked below:

- Making the Most of Two-Way Modules
- Macro Theory
- Using Macros in Automation

Using the Module

This section of the document explains how to operate and navigate the Biamp Tesira module.

Launching the Module:

1. Navigate to the room/area where the **Level Control** or **Presets** button is located. The default location is the **Main Menu**.

2. Select the **Biamp** interface button.

Level Control Interface:

A) **Channel ID:** A Biamp generated label for a specific channel.

B) **Volume Control:** Use the "**+**" or "**-**" button to increase or decrease the volume of a specific channel. The **slider** can also be manipulated to increase or decrease volume levels.

C) **Channel Name:** Shows the channel being controlled.

D) **Speaker:** A reactive button that shows the current mute status and can be tapped to **Mute** or **Unmute** a specific channel.

E) **Level Block:** Shows the name of the Level Block being controlled.

Presets Interface:

A) **Preset List:** Provides a list of presets available within the Tesira system.

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