# **Creating A Multi-Way Light Using Associations (UI7)**

## Overview

Z-Wave introduces many new features and benefits to Total Control. One of these features is associations between Z-Wave devices. Associations are used between a master dimmer and an accessory dimmer(s) to create multi-way lighting (i.e. three-way light).

Using associations with lighting devices is a great way to simplify integration into any home. Traditionally to create a multi-way configuration a physical traveler cable is required. This isn't always feasible when retrofitting lighting in a home, but Z-Wave eliminates the need for this physical connection (traveler).

Using Z-Wave, a "virtual" traveler is established through RF communication between the master and accessory dimmers using a feature called **associations**. UI7 enables associations to be created for all lighting devices.

One of the benefits of using Vivido lighting by URC makes creating associations is made even easier when using URC Vivido Lighting by using EZ association. This feature makes the procedure quicker and less tedious.

## **URC Vivido Lighting:**

Only URC Vivido Lighting offers a unique, quick, and easy way to do multi-way lighting. URC Multi-way Assigning (EZ Association) saves time and mitigates the tedious steps of associating each device.

URC Multiway Assign (EZ Association) removes the process of going to each individual device and manually assigning associations. This feature automatically creates the correct group for each device and associates it to the other associated devices.

This guide requires UI7 or higher, visit the URC Control Room to learn how to upgrade to latest version of the software.

- 1. Log into the Z-Wave gateway
- 2. Make sure all devices have been paired and added to rooms
- Open the Devices ribbon in the left column of UI7
   Note: Pair/Include all devices and assign to rooms prior to creating associations

Control the Experience.					
Dashboard	>	View by:		Room Type	List
Devices	•	Click 🛨 to select favorites.			
Cameras	>				
Scenes	>	No Room			
Energy	+		*		*
Settings	+	scene 1	>	Vivido Panic Mode	
Apps	+			Ŧ	OFF
Users & Account Info	+				
Login					

4. Open the **device settings** for the Master Switch (URC Vivido)

	*		*		*
MasterSwitch		AccesSwitch	>	AllLoadDim	
SUCCESS: Harismit was UK	r		*		100%
		Dimmer Remote	>	SUCCESS! Transmit was OK	
		•			

5. Select Device Options

Settings	>
Advanced	>
Device Options	۷
Logs	>
Notifications	>
Scenes	>
	Delete Device 🍵

6. Select **Add/Remove** in the **URC Multiway Assign (EZ Association)** section *This opens a window that contains a list of all the URC Vivido products paired (included) to the TRF-ZW gateway.* 



7. Select all desired devices to associate to each other and press Ok

	×
URC Vivido Lighting	
<ul> <li>Lamp Dimmer 1 (Rob's Cube)</li> <li>Switch 2 (Rob's Cube)</li> <li>J Dimmer (Jeanette Test1)</li> <li>Remote Switch ms (No Room)</li> <li>Master Switch (No Room)</li> <li>Battery Switch (Rob's Cube)</li> <li>scene 1 (No Room)</li> <li>AccesSwitch (Elvin's Desk)</li> <li>AllLoadDim (Elvin's Desk)</li> <li>Dimmer Remote (Elvin's Desk)</li> </ul>	
Cancel	

After the associations have been completed using the steps above, all the associated devices can be found in the URC Multiway Assign box as shown below:

URC Multiway Assign (EZ Association)			
Easily configure 3 pole and 4 pole associations be	etwe	en	URC Vivido Lighting devices
AccesSwitch (Elvin's Desk)			
AllLoadDim (Elvin's Desk)			Add/Remove
Dimmer Remote (Elvin's Desk)		-	
4	×		]

## **Removing EZ Associations**

Along with simplifying the process of creating associations, the EZ feature makes it quick to remove any associations made with URC Vivido Lighting.

1. Open the **device settings** for the Master Switch (URC Vivido)



# 2. Select **Device options**

Settings	>
Advanced	>
Device Options	>
Logs	>
Notifications	>
Scenes	>
	Delete Device

3. Select **Add/Remove** in the **URC Multiway Assign (EZ Association)** section This opens a window that contains a list of all the URC Vivido products paired (*included*) to the TRF-ZW gateway.



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URC Vivido Lighting	
<ul> <li>Lamp Dimmer 1 (Rob's Cube)</li> <li>S vitch 2 (Rob's Cube)</li> <li>J Dimmer (Jeanette Test1)</li> <li>R emote Switch ms (No Room)</li> <li>N aster Switch (No Room)</li> <li>B attery Switch (Rob's Cube)</li> <li>S ene 1 (No Room)</li> <li>A ccesSwitch (Elvin's Desk)</li> <li>A ILoadDim (Elvin's Desk)</li> <li>D mmer Remote (Elvin's Desk)</li> </ul>	
	Cancel Ok

1

This removes the association between those devices as well as remove them from the URC Multiway Assigning (EZ association) window, as shown below:



### **Non-URC Solution**

This solution is required when using non-URC by Vivido products. However, it may also be used with Vivido products (*see below for URC by Vivido solution*).

- 1. Log into the Z-Wave gateway (*this guide requires UI7, visit the URC Control Room on how to upgrade to UI7*)
- 2. Make sure all devices have been added and paired to rooms
- Open the **Devices** ribbon in the left column of UI7
   Note: Add all devices and assign to rooms prior to creating associations

Control the Experien	<b>C</b> .					
Dashboard	>	View by:		Room	Туре	List
Devices	•	Click 🛨 to select favorites				
Cameras	>					
Scenes	>	Bedroom				
Energy	+		*			*
Settings	+	Bedroom Lamp		Accessory Di	m	
Apps	+	0%	OFF	Ŧ		OFF
Users & Account Info	+					
Login						

4. Select the Master Dimmer settings (*i.e.* **Bedroom Lamp**) The master dimmer is the dimmer that directly controls the load.

Click ★ to select favorites.				+ Add Device
Bedroom				•
	*		*	
Bedroom Lamp	OFF	Accessory Dim	OFF >	

## 5. Select Device Options

Settings	>
Advanced	>
Device Options	>
Logs	>
Notifications	>
Scenes	>
	Delete Device 🧃

6. Enter 1 into the Group ID box (the Group ID is ALWAYS 1) and click Add group

Control	Back
ZWave options Manual Z-Wave route (advan	s for device #15 ced) false
Update Neighbor Node	
Configuration settings Add configuration setting	save Changes
URC Multiway Assign (EZ ) Easily configure 3 pole and 4 p	Association) Jole associations between URC Vivido Lighting devices
	Add/Remove
4	
Associations You must leave <i>automatically</i> Group ID: 1	Add group Apply changes

7. Return to the **Devices** page

When making a change in UI 7, a blue box notification drops down. This is the Z-Wave gateway processing the new changes. It is recommended to let the on screen notification disappear before making any further changes.



### 8. Select the Accessory Dimmer

*It is possible to pair any dimmer to another. Chose the dimmer you wish to associate in this step.* 



- 9. Enter **1** into the Group ID box (*the Group ID is ALWAYS 1*) and click Add group
- 10. Return to the Device menu

After the devices have been associated to Group 1, each device must be programmed to communicate to each other:

- 1. Open the master dimmer settings (*i.e. Bedroom Lamp*)
- 2. Select Device Options
- 3. Select Set in the associations section of the device



4. Select the device to associate with the master dimmer i.e. **Accessory Dimmer** *All devices in Group 1 appear in this window.* 

Control	Back
Multi-channel association <sup>1</sup> Living Room No devices in this room. Bedroom Bedroom Lamp	
Accessory Dim	
Game Room No devices in this room. Study No devices in this room. Unassigned devices 2 Wave	
Scene Controller	
Save *The text boxes are only v than one.	alid with devices that support multi-channel association. Type the endpoint(5) you want to be part of the association, separated by commas if there is more
Back to ZWave options	

It is not necessary to associate a device to itself, but it does not hurt the system if it is done.

- 5. Select Save
- 6. Return to the **Devices** menu
- 7. Select the Accessory Dimmer
- 8. Select Device Options
- 9. Select Set for Group 1
- 10. Select the device to associate with the accessory dimmer i.e. Bedroom Lamp

Control	Back
Multi-channel association Living Room No devices in this room. Bedroom Bedroom Lamp	
Accessory Dim	
Game Room No devices in this room. Study No devices in this room. Unassigned devices VZWave	
Scene Controller	
Save *The text boxes are only w than one. Back to ZWave options	alid with devices that support multi-channel association. Type the endpoint(s) you want to be part of the association, separated by commas if there is more



Accessory dimmers do not send metadata feedback immediately to the UI's i.e. Turning off the lights using an accessory dimmer turns off both the master and accessory dimmer. However, the UI does not reflect this action until the devices are polled by the gateway (*TRF-ZW2*) which may take some time.