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For Your Information ...

Advanced Programming Mode for Rania® and Solina® Dimmers

The Rania dimmer contains an Advanced Programming Mode [APM] feature that allows the user to customize their dimmer to meet their specific needs. This document serves as a supplement to the instruction sheet. Before entering Advanced Programming Mode, it is important to have a good understanding of the features included.

Explanation of Advanced Features

Preset Options: The user has two options for the preset light level on the Rania dimmer, Locked Preset and Unlocked Preset.

Locked Preset: When programmed for a locked preset, the dimmer will always turn on to the predetermined "locked" level anytime the dimmer is turned on with a single tap of the toggle button.

Unlocked Preset: When programmed for an unlocked preset, the dimmer will turn on to the light level that it was adjusted to the previous time that the light was on.

What do I want?
If you always want the dimmer to come on to the same light level anytime you turn it on, choose the locked preset option. Remember, that you can always double tap the toggle button when you want the lights to come on to full intensity. If it is important that the light return to the light level previously used, select the unlockedpreset option.

"On" Fade Time: The user has options for how quickly the lights fade up when the dimmer is turned on. These options include fade times from off to maximum light output in as fast as 0.5 seconds and as slow as 5 seconds.
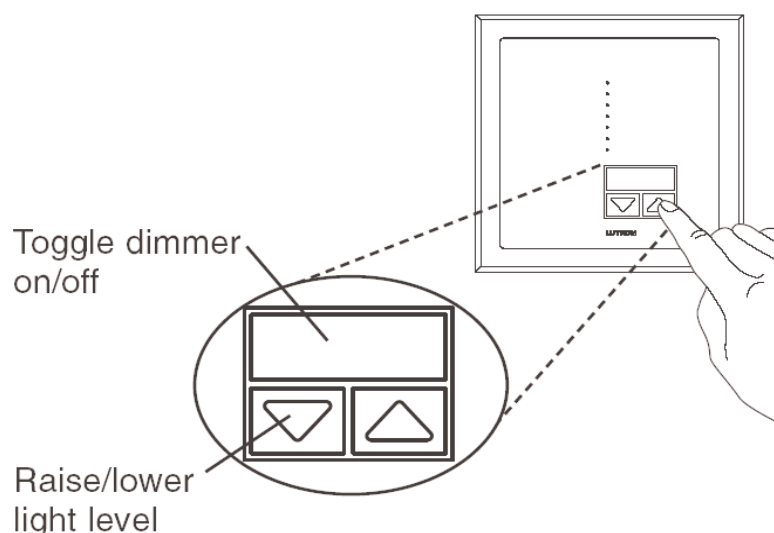
What do I want?
Quicker fade times are more practical and slower fade times are thought to be more elegant. If the light that is controlled by the dimmer is the first or only light that will be turned on in a particular room, most people find it advantageous to use a faster rate so that the room is immediately illuminated. Art lighting or other accent lighting is often more pleasing with a slow fade time.
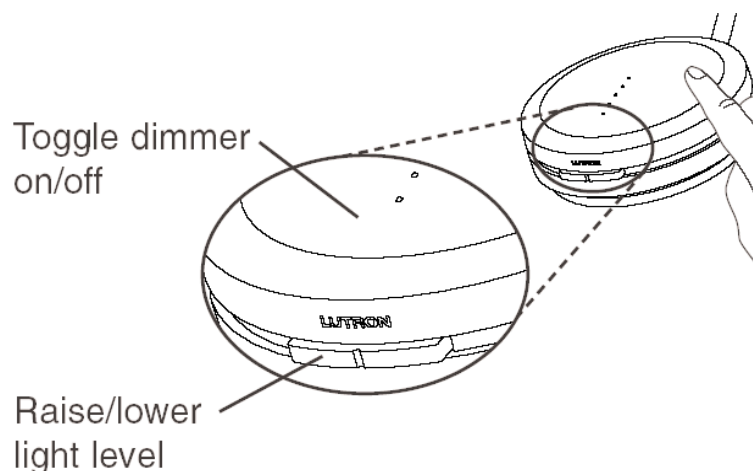
"Off" Fade Time: The user has options for how quickly the lights fade down when the dimmer is turned off. These options include fade times from maximum light output to "Off" as fast as 1.5 seconds and as slow as 15 seconds.

What do I want?
Having the lights fade off slowly can be very useful, allowing you to exit the room while the lights are still on. How quickly they should fade off is typically a question of personal preference. Keep in mind that it may appear that the light is not turning off as expected if a fade time of 6 seconds or longer is selected. This could be confusing to a visitor or guest.

Rania Dimmer Operation

Solina Dimmer Operation

Using Advanced Programming Mode

Advanced Programming Mode consists of two modes of operation that the user can interact with: The Main Menu Mode allows the user to select which feature they would like to modify. The Selection Mode allows the user to change the setting of the feature they selected in the Main Menu Mode. Note: Once a feature is modified, that modification is immediately saved. There is a step by step example at the end of this document.

Entering Main Menu Mode (Refer to picture on first page)

1. If the dimmer is "on", press the Toggle Button to turn the dimmer "Off".
2. **Press and Hold the Lower and Toggle Buttons** for approximately 5 seconds.
3. Once the LED has begun blinking, **release the Lower and Toggle Buttons**.
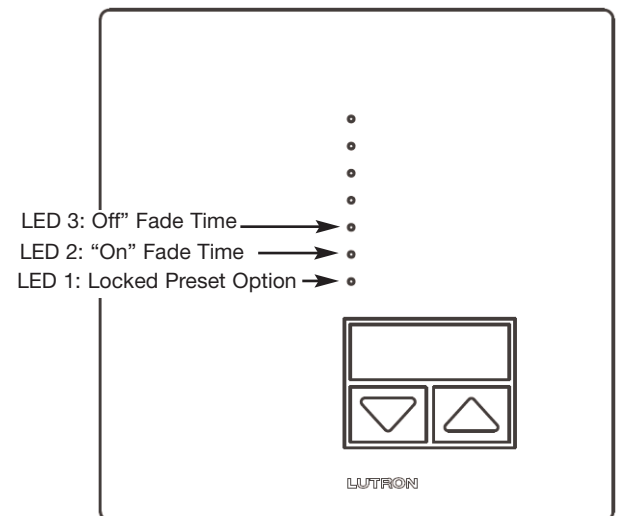*The bottom LED will begin to blink to indicate that you have entered Advanced Programming Mode.*
Note: There is a 1 minute timer that will automatically exit Advanced Programming Mode if there is no activity on the dimmer.

Entering Selection Menu Mode

1. **Press the Raise and Lower Buttons** to change the LED Level to indicate which feature you would like to modify. (Refer to picture right)

   LED #3 – "Off" Fade Time (The fade speed for the Raise and Lower operations are unaffected by this feature.)
   LED #2 – "On" Fade Time (The fade speed for the Raise and Lower operations are unaffected by this feature.)
   LED #1 – Preset Option

2. **Press the Toggle Button** once and the feature will be selected for modification

LED 3: Off" Fade Time
LED 2: "On" Fade Time
LED 1: Locked Preset Option

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Selecting a Preset option

1. While in Main Menu Mode, **press the Raise and Lower Buttons** until LED 1 is blinking.
2. Press the Toggle Button once.
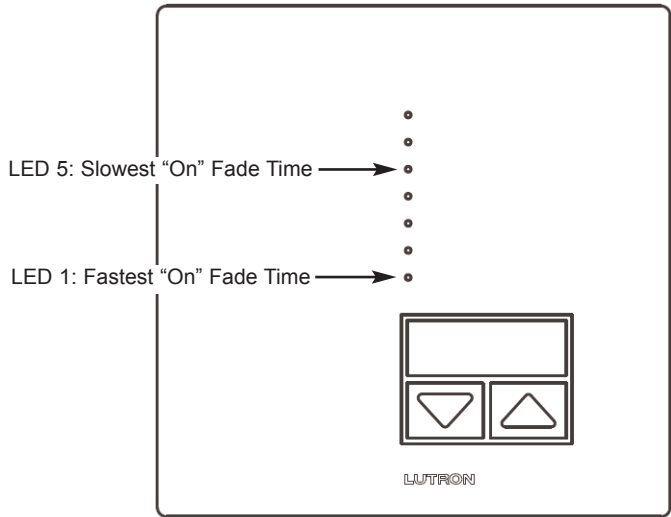
To select Locked Preset:
1. **Press the Raise and Lower Buttons** to adjust the current light level to the desired Locked Preset. Your light will get brighter or more dim to reflect the Locked Preset level as you adjust this feature. The quickly flashing LED will move up and down as the preset is changed.
2. Press the Toggle Button once to return to the Main Menu.

To select Unlocked Preset:
1. **Press the Lower Button** until the quickly flashing LED disappears. Please note that the light will remain at its minimum output when you perform this action.
2. **Press the Toggle Button** once to return to the Main Menu.

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Selecting the "On" Fade Time

1. While in Main Menu Mode, press the Raise and Lower Buttons until LED 2 is blinking.
2. **Press the Toggle** Button once. A quickly flashing LED will indicate which fade time has been selected (refer to picture below).
3. **Press the Raise and Lower Buttons** to adjust the quickly blinking LED to the position that represents the desired fade time.
4. **Press the Toggle Button** once to return to the Main Menu.

LED 5: Slowest "On" Fade Time →

LED 1: Fastest "On" Fade Time →

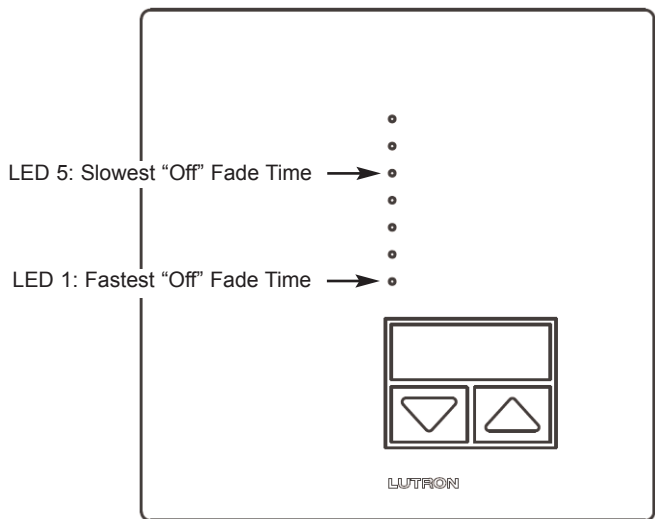| LED Position	"On" Fade Time from Off to Max. Light Level
5	5 Seconds
4	3 Seconds
3	1.5 Seconds
2	0.75 Second
1	0.5 Second

Selecting the "Off" Fade Time

1. While in Main Menu Mode, press the Raise and Lower Buttons until LED 3 is blinking.
2. **Press the Toggle** Button once. A quickly flashing LED will indicate which fade time has been selected (refer to picture below).
3. **Press the Raise and Lower Buttons** to adjust the quickly blinking LED to the position that represents the desired fade time.
4. **Press the Toggle Button** once to return to the Main Menu.

LED 5: Slowest "Off" Fade Time →

LED 1: Fastest "Off" Fade Time →

LED Position	"Off" Fade Time from Max. Light Level to Off
5	15 Seconds
4	10 Seconds
3	5 Seconds
2	3 Seconds
1	1.5 Seconds

Exiting Main Menu Mode

1. **Press and Hold the Toggle Button** for 5 seconds to exit the Main Menu. Alternatively, wait 1 minute and the dimmer will automatically exit from Advanced Programming Mode.

Restoring Factory Defaults

If you would like to return the dimmer to its original factory settings, please do the following:

1. If the dimmer is "On", **Press** the Toggle Button to turn the dimmer "Off".
2. **Press and Hold** the Lower and Toggle Buttons for approximately 5 seconds. The bottom LED will begin to blink to indicate that you have entered Advanced Programming Mode
3. **Press and Hold** the Raise and Toggle Buttons for approximately 5 seconds.
4. When the dimmer appears to Reset and Fade to the Maximum light level, the unit has been successfully restored to its factory defaults.

What are the factory defaults?
Locked Preset is disabled
"On" Fade Time from Off to the Maximum Light Level is 3 seconds
"Off" Fade Time from the Maximum Light Level to Off is 3 seconds
Preset Level is 50% Intensity

Step by Step Example:

Let's assume we want to set the dimmer with the following settings:

A locked preset at 50% light level
The lights fade on to the Maximum Light Level from Off in 0.75 second
The lights take 10 seconds to fade Off from the Maximum Light Level

Step 1: Entering Advanced Programming Mode

1. If the dimmer is "On", Press the Toggle Button to turn the dimmer "Off".
2. Press and Hold the Lower and Toggle Buttons for approximately 5 seconds.
3. After holding the Lower and Toggle Buttons for 5 seconds, an LED should start to blink. Once you see a blinking LED, release the Lower and Toggle Buttons.

Step 2: Select Preset Option as the feature you would like to modify

1. The bottom LED should be blinking. If not, Press the Lower Button until LED #1 is blinking.
2. Press the Toggle Button once to enter Selection Mode.

Step 3: Adjusting the Locked Preset light level

LED blinks at a faster rate to indicate you have entered Selection Mode
1. Press the Raise Button once to ensure the Preset will be locked. (You should see a blinking LED).
2. Press the Raise Button until the light is at mid-level (LED #4 should be blinking) to set the locked preset at 50% light level.
3. Press the Toggle Button once to return to Main Menu Mode.

Step 4: Select "On" Fade Time as the feature you would like to modify

LED blinks at a slower rate to indicate you have entered Main Menu Mode
1. Press the Raise Button once to make LED #2 start blinking.
2. Press the Toggle Button once to enter Selection Mode.

Step 5: Adjusting the "On" Fade Time

LED blinks at a faster rate to indicate you have entered Selection Mode
1. Press the Raise and Lower Buttons until LED #2 is blinking to make your lights fade from off to the maximum light level in 0.75 second.
2. Press the Toggle Button once to return to Main Menu Mode.

Step 6: Select "Off" Fade Time as the feature you would like to modify

LED blinks at a slower rate to indicate you have entered Main Menu Mode
1. Press the Raise Button once to make LED #3 start blinking.
2. Press the Toggle Button once to enter Selection Mode.

Step 7: Adjusting the "Off" Fade Time

LED blinks at a faster rate to indicate you have entered Selection Mode
1. Press the Raise Button until LED #4 is blinking to make your lights take 10 seconds to fade to off from the maximum light level.

Step 8: Exiting Advanced Programming Mode

1. Press and Hold the Toggle Button for approximately 5 seconds. Once the LED has stopped blinking, the dimmer has returned to its normal operating mode and all of your settings have been saved.

Technical Assistance
If you have questions concerning the installation or operation of
this product, call Lutron's European Headquarters. Please provide
exact model number when calling.
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0800 282107 (U.K.)
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Need help? Call the Lutron Technical Support Center, (UK) 0800 282107