

GRAFIK T™ Advanced Programming Mode (APM)

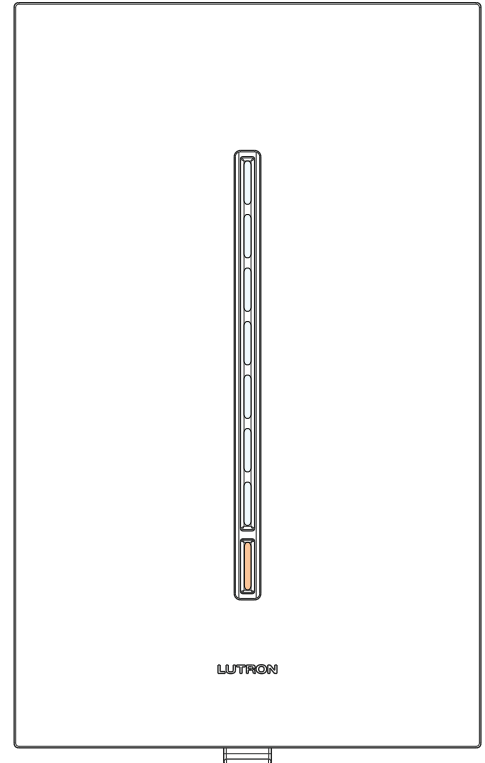
GRAFIK T™ dimmers and switches contain an Advanced Programming Mode (APM) that allows users to customize the control to meet their specific needs. This document serves as a supplement to the GRAFIK T™ installation instructions. Before entering APM, it is important to have a good understanding of the advanced features.

Explanation of Advanced Features

- High-End Trim¹:** Adjust the maximum light level of the load.
- Low-End Trim¹:** Adjust the minimum light level of the load.
- LED Brightness:** Select between high and low brightness of the control LEDs.
- Sound ON/OFF:** Enable or disable audible clicking feedback.
- Delayed Fade-to-Off¹:** Adjust the waiting period upon fade-to-off.
- Toggle Fade Rate Adjust¹:** Adjust the fade rate upon toggling.
- Protected Preset Adjust¹:** Select between locked and unlocked presets.

Default APM Settings

Feature	Setting
High-end Trim	~114 V
Low-end Trim	~27 V
LED Brightness	Low Brightness
Sound ON/OFF	ON
Delayed Fade-to-Off ¹	30 S
Toggle Fade Rate Adjust ¹	0.75/2.5 s ²
Protected Preset Adjust ¹	Last Level Preset



Using APM

APM consists of two levels of operation:

1. **Main Menu Mode** allows the user to select the feature to be modified.
2. **Selection Mode** allows the user to modify the feature that has been selected in **Main Menu Mode**.

Notes:

- Unless otherwise specified, the APM settings are saved when the control transitions from Selection Mode to Main Menu Mode.
- The control will automatically exit APM after 1 minute of inactivity.
- If the control automatically exits APM while still in Selection Mode, the new setting will not be saved and the dimmer will revert to the previously saved setting.
- APM cannot be entered from the companion device.

¹ Dimmer models only

² On/Off, respectively

Enter APM

1. Pull the Front Accessible Service Switch (FASS™) down to the OFF position.
2. Press and hold the Toggle button.
3. While continuing to hold the Toggle button, push the FASS™ up to the ON position. Continue to hold the Toggle button for approximately six seconds.
 - A beep will indicate entry to APM.
 - The currently selected submenu LED will flash and the Toggle button on the control will flash orange continuously, indicating entry to **Main Menu Mode**.

Enter Selection Mode

1. Press the LED that represents the feature to be modified (Example: LED 5 = LED Brightness).
2. Confirm the selection by pressing the Toggle button. The selected feature can now be modified according to the appropriate feature menu starting on the next page.

Note: The Toggle button will flash white and orange alternately to indicate that **Selection Mode** has been entered.

Modify the Selected Feature

1. Make desired setting changes following the steps outlined later in this document.
2. Tap the Toggle button to save setting and return to **Main Menu Mode**.

Exit APM

Press and hold the Toggle button for approximately three seconds.

- The load will go to the previous ON level.
- LEDs will return to “normal mode”.

LED 7: High-End Trim¹LED 6: Low-End Trim¹

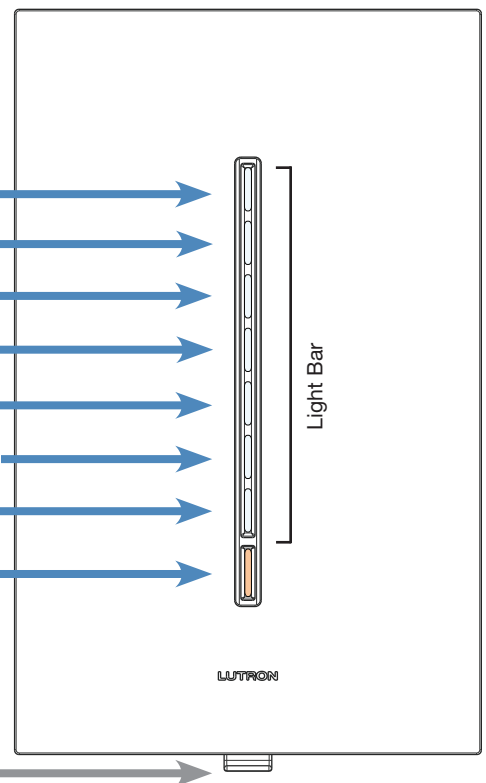
LED 5: LED Brightness

LED 4: Sound ON/OFF

LED 3: Delayed Fade-to-Off¹LED 2: Toggle Fade Rate Adjust¹LED 1: Protected Preset Adjust¹

Toggle Button

FASS™

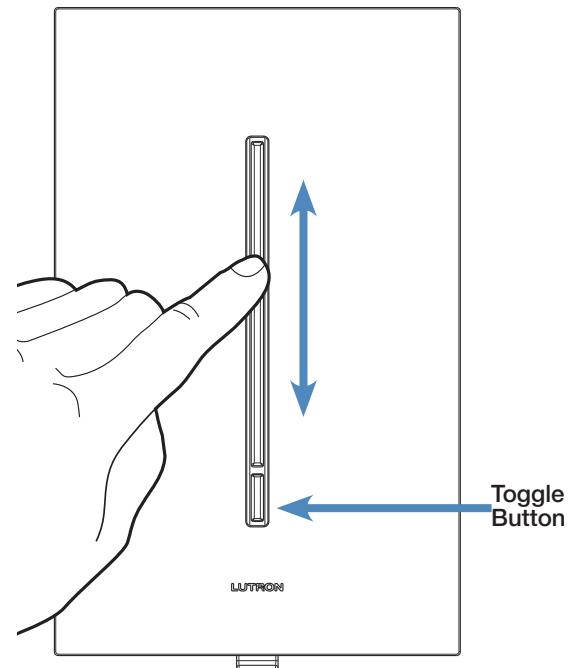


¹ Dimmer models only

High-End Trim Menu¹

Some lamps require a lower high-end trim than others. This feature allows the user to determine the maximum light level and adjust the settings accordingly.

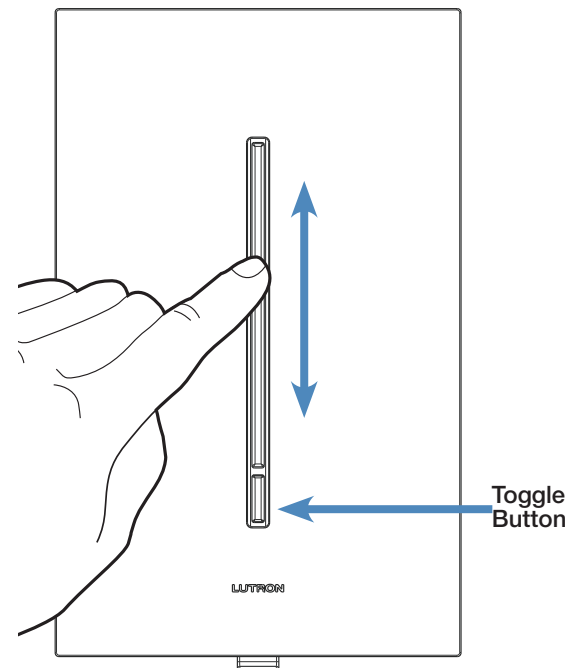
1. While in **Main Menu Mode**, select the High-End Trim menu by pressing LED 7.
2. Confirm the selection by pressing the Toggle button.
 - Lights go to currently selected High-End Trim value.
 - Light bar LEDs show current High-End Trim value.
3. Slide your finger up or down the LEDs to set the maximum light level (High-end).
4. Once the maximum light level is acceptable, press the Toggle button to confirm your settings and return to the **Main Menu Mode**.



Low-End Trim Menu¹

Eliminates LED bulb flickering and strobing² when the dimmer is turned ON to the minimum light level. This feature can also be used to set a personal preference for other bulbs.

1. While in **Main Menu Mode**, select the Low-End Trim menu by pressing LED 6.
2. Confirm the selection by pressing the Toggle button.
 - Lights will turn off and then go to the currently selected Low-End Trim value.
 - Light bar LEDs show current Low-End Trim value.
3. Slide your finger up or down the LEDs to set the minimum light level (low-end).
4. Press the Toggle button to confirm your settings and return to the **Main Menu Mode**.



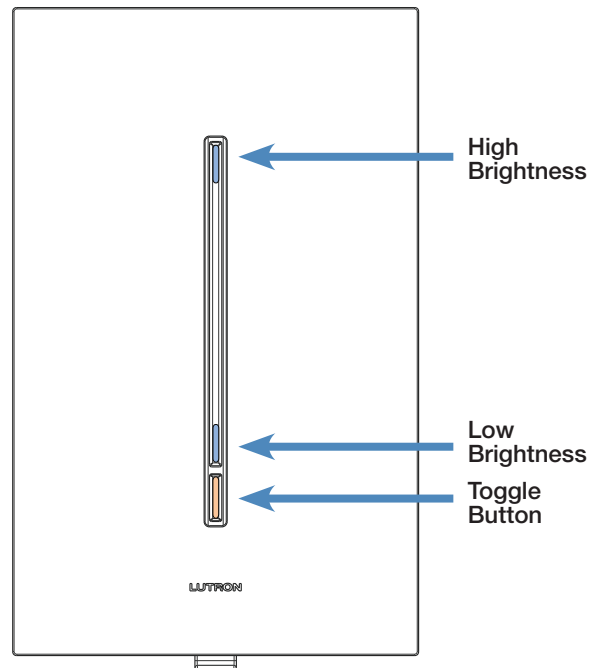
¹ Dimmer models only

² Occurs when low-end trim is set too low for a given bulb's design capabilities, which can shorten lamp life

LED Brightness Menu

Adjust the brightness of the LEDs on the light bar.

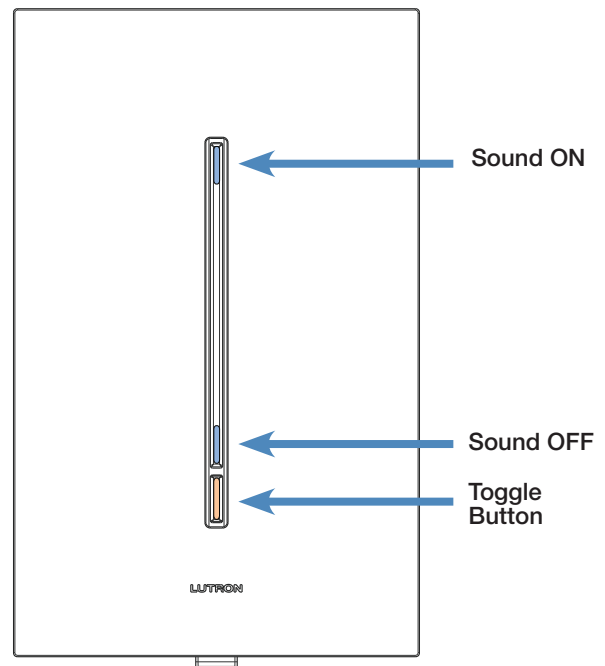
1. While in **Main Menu Mode**, select the LED Brightness menu by pressing LED 5.
2. Confirm the selection by pressing the Toggle button.
 - The top and bottom LEDs will turn ON and the other LEDs will turn OFF.
 - The LED indicating which option is currently selected will rapid flash (default setting is Low Brightness).
3. Press the top LED to select High Brightness or the bottom LED to select Low Brightness.
4. Press the Toggle button to confirm your settings and return to **Main Menu Mode**.



Sound ON/OFF Menu

Change whether or not the control produces a clicking sound when the user interacts with the control.

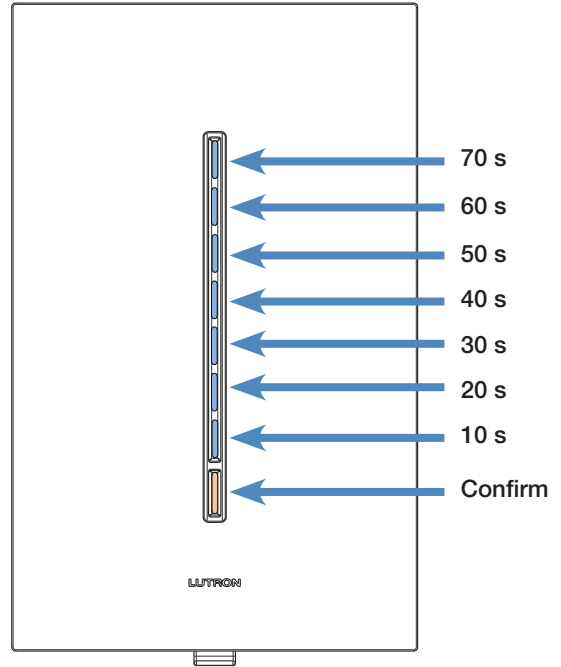
1. While in **Main Menu Mode**, select the Sound ON/OFF menu by pressing LED 4.
2. Confirm the selection by pressing the Toggle button.
 - The top and bottom LEDs will turn ON and the other LEDs will turn OFF.
 - The LED indicating which option is currently selected will flash rapidly (default setting is Sound ON).
3. Press the top LED to turn the sound ON or the bottom LED to turn the sound OFF.
4. Press the Toggle button to confirm your settings and return to **Main Menu Mode**.



Delayed Fade-to-Off Wait Time Menu¹

Change the wait time when a delayed fade-to-off is activated.

1. While in **Main Menu Mode**, select the delayed fade-to-off wait time menu by pressing LED 3:
 - Load turns OFF, Light bar LEDs turn ON.
 - The currently selected wait time LED will flash on the light bar (see diagram at right) 2 times per second.
 - ON and OFF LEDs alternate at 2 times per second.
2. Confirm the selection by pressing the Toggle button.
3. Press the appropriate light bar LED for the desired delayed fade-to-off time (see diagram).
4. Press the Toggle button to confirm your settings and return to **Main Menu Mode**.

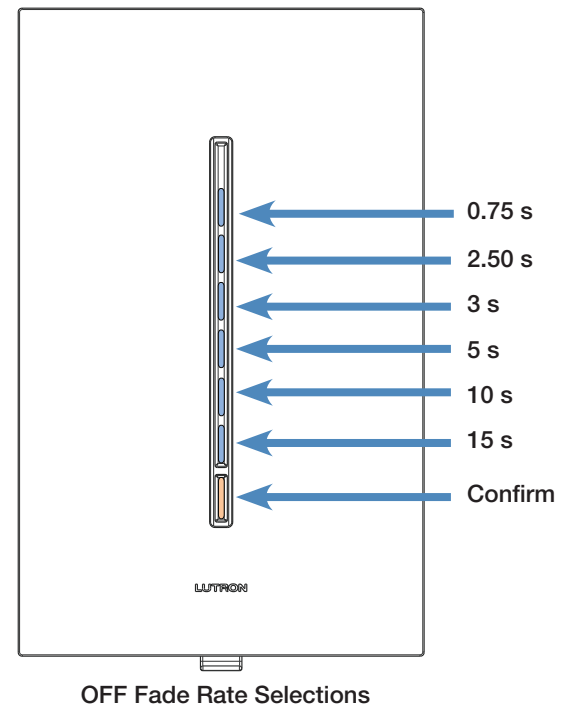
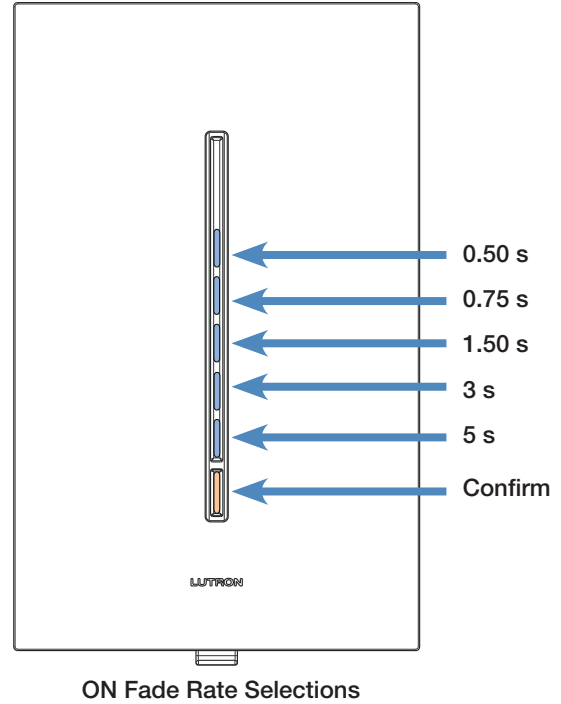


¹ Dimmer models only

Toggle Fade Rate Adjust Menu¹

Change the rate at which the load changes when toggled ON and OFF

- While in **Main Menu Mode**, select the fade ON and fade OFF time adjust menu by pressing LED 2:
 - Load turns off.
 - 5 bottom light bar LEDs turn ON.
 - Currently selected ON fade rate LED on light bar flashes at 2 times per second.
 - ON and OFF LEDs alternate at 2 times per second.
- Confirm the selection by pressing the Toggle button.
- Press the appropriate light bar LED for the desired ON fade rate (see diagram).
- Press the Toggle button to confirm your settings and continue to change OFF fade rate.
- Press the appropriate light bar LED for the desired OFF fade rate (see diagram).
- Press the Toggle button to confirm your setting.
 - 6 bottom light bar LEDs turn ON
 - Currently selected ON fade rate LED ON light bar flashes at 2 times per second.
 - ON and OFF LEDs alternate at 2 times per second.
- Device returns to **Main Menu Mode** after OFF fade rate is confirmed.



¹ Dimmer models only

Protected Preset Adjust¹

Change the behavior of the device when it toggles ON from OFF.

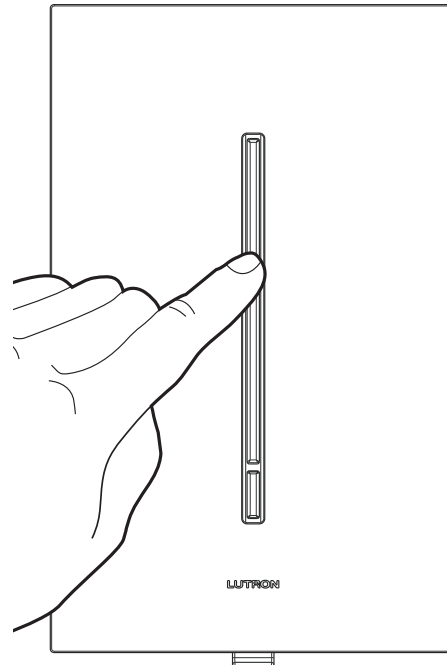
- Protected preset indicates that the device will come ON to a user specified level.
- Last level preset indicates that the device will come ON to its last ON level prior to turning OFF.

To change to protected preset from last level preset or change the protected Preset Level:

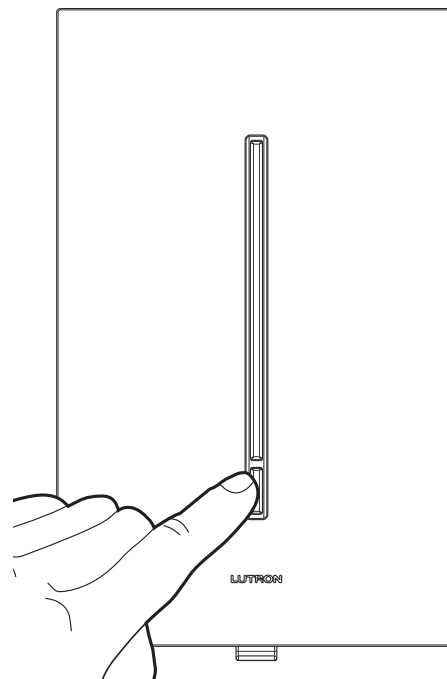
1. While in **Main Menu Mode**, select the protected preset adjust menu by pressing LED 1.
2. Confirm the selection by pressing the Toggle button.
3. Press the light bar as you would in normal mode to set the level.
 - Load goes to new level based on where the light bar is pressed.
 - Light bar LEDs give “normal mode” feedback of the protected preset level.
 - ON and OFF LEDs alternate at a rate of 2 times per second.
3. Press the Toggle button to confirm your settings and return to **Main Menu Mode**.

To change to Last Level preset from protected preset:

1. While in **Main Menu Mode**, select the protected preset adjust menu by pressing LED 1.
2. Confirm the selection by pressing the Toggle button.
3. Hold toggle button for 3 seconds.
 - Load turns OFF
 - Light bar LEDs turn off
 - ON and OFF LEDs alternate at a rate of 2 times per second.
3. Press the Toggle button to confirm your settings and return to **Main Menu Mode**.



Protected Preset



Last Level Preset

¹ Dimmer models only

Lutron is a registered trademark and GRAFIK T and FASS are trademarks of Lutron Electronics Co., Inc.

Lutron Contact Numbers

WORLD HEADQUARTERS USA

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299
TEL: +1.610.282.3800
FAX: +1.610.282.1243
Toll-Free: 1.888.LUTRON1
Technical Support: 1.800.523.9466
intsales@lutron.com

EUROPEAN HEADQUARTERS United Kingdom

Lutron EA Ltd.
6 Sovereign Close
London, E1W 3JF United Kingdom
TEL: +44.(0)20.7702.0657
FAX: +44.(0)20.7480.6899
FREEPHONE (UK): 0800.282.107
Technical Support: +44.(0)20.7680.4481
lutronlondon@lutron.com

ASIAN HEADQUARTERS Singapore

Lutron GL Ltd.
15 Hoe Chiang Road
#07-03, Tower 15
Singapore 089316
TEL: +65.6220.4666
FAX: +65.6220.4333
Technical Support: 800.120.4491
lutronsea@lutron.com

North & South America Technical Hotlines

USA, Canada, Caribbean:
1.800.523.9466
Mexico:
+1.888.235.2910
Central/South America:
+1.610.282.6701

Asia Technical Hotlines

Northern China: 10.800.712.1536
Southern China: 10.800.120.1536
Hong Kong: 800.901.849
Indonesia: 001.803.011.3994
Japan: +81.3.5575.8411
Macau: 0800.401
Taiwan: 00.801.137.737
Thailand: 001.800.120.665853
Other Countries: +65.6220.4666