

Decora® Digital Controls with Bluetooth® Technology

- ***What are the benefits of using Decora Digital Controls?***

Decora Digital devices offer all the advantages of advanced full featured digital dimmers, switches and timers that can be wirelessly controlled and programmed via Bluetooth technology using a smartphone or tablet. Simply pair the device with the Leviton Decora Digital Dimmer & Timer App to set timed events, turn lights on and off, dim and brighten lights and set advanced features through Bluetooth communication.

- ***Is there a charge to download the Decora Digital Dimmer & Timer App?***

There is no charge; the app can be downloaded free through the Apple App Store and Google Play store.

- ***What features are available through the Decora Digital Dimmer and Timer App?***

- Simple On/Off control
- Full range dimming with adjustable fade rates (when used with the Decora Digital Dimmer)
- Programmable timer to set lights to switch on/off at user selected intervals any day or combination of days
- Astronomical clock which automatically adjusts to local sunrise and sunset times
- Sleep timer to program lights to switch off after a pre-selected length of time

- ***What is the wireless range of the devices?***

Decora Digital Controls with Bluetooth technology provide local control within a 30 foot range without the need of a hub, gateway or internet connection. The range may vary depending on specific conditions of installation, configuration of walls, obstacles and other factors.

- ***Is a neutral wire required with Leviton Decora Digital Controls?***

A neutral wire is required with the DDMX1 Decora Digital Bluetooth Dimmer and the DDS15 Decora Digital Bluetooth Switch.

- ***What types of bulbs can be used with the Decora Digital Controls?***

Dimmable LEDs, dimmable CFLs, incandescent and halogen bulbs are compatible with the Decora Digital Controls. The DDMX1 is also compatible with Mark10 *Powerline* and magnetic low voltage lighting. Leviton recommends only LED and CFL bulbs that are labeled as DIMMABLE be used with the Decora Digital Dimmer. The packaging on the bulb should identify it as dimmable.

- ***Will I save energy if I dim LED and CFL bulbs?***

Yes, dimming any bulb reduces energy consumption and is the perfect way to set the ambiance for any occasion. Below is an example of the energy savings* realized when you dim incandescent, dimmable LED or dimmable CFL bulbs.

Relative Light Output (% Dimmed)	75W Incandescent (Wattage)	26W CFL (Wattage)	17W LED (Wattage)
100%	75W	26W	17W
75%	63W	18W	12W
50%	51W	13W	7W
20%	34W	7W	3W

* Energy savings may vary.

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- ***What makes dimming a dimmable LED/CFL bulb different than dimming an incandescent bulb?***

Dimmable LED/CFL bulbs contain electronic circuitry not present in incandescent bulbs. Therefore, it is difficult to achieve the same smooth start and complete dimming range as one sees with incandescent bulbs. The Decora Digital Dimmer is designed to interact with the electronic circuitry, providing smooth low level dimming on the majority of bulbs by major manufacturers.

- ***What colors do the Decora Digital Controls come in?***

Decora Digital Controls have changeable faceplates and come packaged with three colors in a box: white, ivory and light almond. Additional packaging options are available. Color change kits are available in white, ivory, light almond, gray, black and brown.

- ***Decora Digital Controls are suitable for single pole and 3-way/multi-location applications. What does that mean?***

Single pole means controlling one or more lighting fixtures from one location. 3-way is the ability to control one or more lighting fixtures from two separate switch locations. An example of a 3-way is the ability to control the same fixture from a switch at the top of a staircase and from another switch at the bottom of the staircase. A Decora Digital Remote must be used with the Decora Digital Dimmer or Switch in a 3-way application.

3-Way Remotes			
Decora Digital Device	<u>DD00R-DL</u> Matching Dimmer Remote	<u>DD0SR-DL</u> Matching Switch Remote	<u>DD0SR-01</u> Coordinating Switch Remote
DDMX1	Yes	-	-
DDS15	-	Yes	Yes

- ***What is the difference between a matching and a coordinating remote?***

A matching remote offers more functionality than a coordinating remote. The chart below outlines the differences between Decora Digital 3-way remotes, which device they should be used with and the functions offered.

Remote	Functions			
	On/Off Control	Dim/Bright Control	LED Brightness Display	LED Locator Light
DD00R-DL Matching Dimmer Remote	Yes	Yes	Yes	Yes
DD0SR-DL Matching Switch Remote	Yes	No	No	Yes
DD0SR-01 Coordinating Switch Remote	Yes	No	No	No

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- **Do the Decora Digital Controls have a locator light?**

All the Decora Digital controls have a locator light. The locator light is the small green LED light located below the rocker switch that illuminates when the device is off. This light is helpful in locating the device in the dark. This light can be disabled using the Decora Digital Dimmer & Timer app for users who choose not to have this light illuminated.

- **Are there any adjustments that will need to be made to the Decora Digital Dimmer based on the bulb I choose?**

The dimmer is preset to the Incandescent/MLV mode, which in most cases will be sufficient for controlling incandescent, magnetic low voltage and dimmable LED bulbs. In some instances, it may be necessary to adjust the dimmer for certain CFL and LED bulbs. This can be done using the Decora Digital Dimmer & Timer App. Dimmable CFL bulbs may also require an additional "kick start" or automatic adjustment to turn on. In this case, the dimmer will need to be set to CFL mode. Please refer to the instruction sheet for details.

** "Kick start" is a precise boost of energy applied to difficult to start CFLs to initiate smooth start up and prevent flickering. This feature maximizes the usable dimming range by allowing the user to start at the lowest possible dim/bright bar position.*

- **Can I use dimmable LED bulbs when the dimmer is set to CFL mode?**

This is perfectly acceptable, especially if you encounter LED bulbs that are difficult to start at a low preset dimmer level. In CFL mode the dimmer will provide increased energy or a "kick start" to start the bulb.

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- **My dimmable LED/CFL bulbs do not turn on when at the lowest dimmer setting. What can I do?**

The dimmer features a "kick start" feature that provides an additional energy boost for hard-to-start bulbs. Simply set the Load Type to the bulb you are currently using via the app to activate this mode. Also, some bulbs have wider dimming ranges than others. In order to take advantage of the full dimming range of the bulb, use the app to adjust and set the minimum light level.

** "Kick start" is a precise boost of energy applied to difficult to start CFLs to initiate smooth start up and prevent flickering. This feature maximizes the usable dimming range by allowing the user to start at the lowest possible dim/bright bar position.*

- **I have some LED bulbs that seem to have a slight delay before they turn on, is this to be expected?**

It may depend on the bulb. If the dimmer is programmed to have the soft on and off feature enabled which fades the lights on and off as opposed to abruptly turning them on like a regular switch, there could be a slight delay before some bulbs will turn on. While most will operate fine with the soft on and off and changes to dimmer settings, some bulbs have a built in delay during those events and it may take a moment before they will turn on or respond to changes in dimmer settings.

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- ***What will happen if I mix bulb types with the Decora Digital Dimmer?***

It is strongly recommended that the same light source is used to achieve consistent performance from bulb to bulb. Keep in mind that different LED bulbs may have different color temperatures and dimming ranges. If you choose to mix bulb types on the same dimmer it is possible that you will experience a variation in dimming performance and start up characteristics.

- ***Is de-rating required when installing more than one Decora Digital Dimmer in the same wallbox?***

If you install more than one dimmer in the same wallbox you may need to de-rate or reduce the load that each dimmer can control. De-rating may be necessary based on the type of bulb you are controlling. Incandescent and Magnetic Low Voltage bulbs require de-rating. De-rating is not required when using dimmable LED or dimmable CFL bulbs in multi-dimmer installations. **Refer to the de-rating chart in the instructions for maximum load per dimmer.**

MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE			
LOAD	ONE DEVICE	TWO DEVICES	MORE THAN TWO DEVICES
Incandescent bulb	1000W	800W	700W
Magnetic Low Voltage bulb	1000VA	800VA	700VA