URC Lighting: LT-3300 Dimmer/Switch Parameters

URC Lighting: LT-3300 Dimmer/Switch Parameters (URC Lighting Model LT-3300)

Parameters refer to the number of configurable settings that determine how a Z-Wave lighting device functions. Depending on the device, you can adjust how the device performs in a given situation. Anything from the device colorful, customizable LED bar, to ramping rate, to auto off timers and many more through its corresponding parameter setting.

The LT-3300 dimmer/switch has dozens of parameters that can be configured for the desired operation. This article details the configurable parameters for the LT-3300.

LT-3300 Dimmer/Switch Configurable Parameters:

Parameter	Bytes	Name	Function	Range	Default
1	1	Dimming Speed (Dimming Up) - URC CONTROL	Adjust how fast or slow the light will transition when dimming the load up using the a URC device to control the light level. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min)	0-254	25
2	1	Dimming Speed (Dimming Up) - LOCAL	Adjust how fast or slow the light will transition when dimming the load up using the physical paddle to control the light level. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 1	0-255	255
3	1	Ramp Rate Time to Go OFF to ON - URC CONTROL	Adjust how fast the light goes from OFF to ON when adjusted from a URC device. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 1	0-255	255
4	1	Ramp Rate Time to Go OFF to ON - LOCAL	Adjust how fast the light goes from OFF to ON when the physical paddle is pressed. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 2	0-255	255

Parameter	Bytes	Name	Function	Range	Default
5	1	Dimming Speed (Dimming Down) - URC CONTROL	Adjust how fast or slow the light will transition when dimming the load down using the a URC device to control the light level. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 1	0-255	25
6	1	Dimming Speed (Dimming Down) - LOCAL	Adjust how fast or slow the light will transition when dimming the load down using the physical paddle to control the light level. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 2	0-255	255
7	1	Ramp Rate Time to Go ON to OFF - URC CONTROL	Adjust how fast the light goes from ON to OFF when adjusted from a URC device. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 min) • 255 Keep In Sync with Parameter 3	0-255	255
8	1	Ramp Rate Time to Go ON to OFF - LOCAL	Adjust how fast the light goes from ON to OFF when the physical off paddle is pressed. • 0,5-100 in 100 millisecond increments (0=Instant / 5-10000 ms) *Note Value 1 to 4 not supported* • 101 - 160 in seconds (1-59 sec) • 161-254 in minutes, (1-93 minutes) • 255 Keep In Sync with Parameter 4	0-255	255

Parameter	Bytes	Name	Function	Range	Default
9	1	Minimum Dim Level	Minimum dim level the light will adjust to before turning OFF. [1-54=Light Level]	1-54	1
10	1	Maximum Dim Level	Maximum brightness level will set the highest level the light can be adjusted to. [55-99=Light Level]	55-99	99
11	1	Invert Switch	Invert Switch changes the UP button to control the OFF /Dim down function, and DOWN button to control the ON/Dim Up function. [0=Disabled/1=Enabled]	0-1	0
12	2	Auto Off Timer	Define a specific time the light will automatically turn OFF after being turned ON. [0=Disabled/1=1Sec/2=2sec/.../100=100sec/.../32767=32767sec]	0-32767	0
13	1	Default ON Level - LOCAL	Set the default level the lighting will turn ON to when controlled from the physical paddle. [0=Last Used Level, 1-99 = light level]	0,1-99	0
14	1	Default ON Level - URC CONTROL	Set the default level the light will turn ON to when controlled from a URC device. [0=Last Used Level, 1-99 = light level]	0,1-99	0
15	1	Power Restored State	When power is restored to the LT-3300 from a power outage, the light will either Turn ON to a specific level, Turn OFF, or Revert to its Last Level before the power outage. [0=Off/1-99=Light Level/100=Previous State]	0,1-99,100	100
17	1	Load Level ON Indicator Time-Out	Changes the amount of time the LED Bar shows the light level change before returning to its default state. [0=Always Off/1=Off After 1sec/2=Off After 2sec/.../10=Off After 10sec/11=Always On]	0-11	11
18	1	Active Power Reports	Define the power level change to the load to generate a new 'Power Report'. [0=No Report/1-100=Level Change to Generate Report]	0-100	10
19	2	Periodic Power & Energy Reports	Sets the time period that 'Power and Energy Reports' are automatically sent out. [0=No Report/30-32767 seconds report to be sent]	0,30-32767	3600
20	2	Energy Reports	Define the amount of energy level change required to automatically send out an 'Energy Report'. [0=No Report/1=0.01kWh/2=0.02kWh/.../3600=36.00kWh/.../32767=327.67kWh]	0-32767	10
22	1	Switch Type	Define how installation the LT-3300 is being installed in. [0=Single Pole (One LT-3300)/1=Multi-Way (Dumb Switch)/2=Multi-Way (AUX Switch)]/3=Single Full Wave (ON-OFF Switch Mode)]	0-3	0

Parameter	Bytes	Name	Function	Range	Default
25	1	Increase Power Output in Non-Neutral Configuration	Increase output power when in a non-neutral configuration. Only adjust if advised by URC Tech Support. Adjusting this parameter can introduce LED lights to flickering at maximum leverls! [0=Disabled/1=Enabled]	0-1	0
50	1	Button Delay Time	Allows the adjustment time for how quickly the LT-3300 will react to a button paddle press. A longer delay time is useful when utilizing multi-tap for scene controlling, it gives the user some time to multi-tap the LT-3300 paddles. Lower time settings will require the user to multi-tap for scene controller much quicker. [0=Only Up and Down Paddles =0ms /3=Up, Down, and Configuration button 300ms/4=Up, Down, and Configuration button 400ms/5=Up, Down, and Configuration button 500ms/.../9=Up, Down, and Configuration button 900ms]	0,3-9	5
52	1	Use Smart Bulb	Define if the LT-3+D5200 is controlling a 'Smart Light Bulb' [0=Disabled Smart Bulb Mode/1=Enable Smart Bulb Mode].	0-1	0
53	1	Double Tap Up Paddle to Go to Specific Level	Double tap the up paddle to have the load go to specific lighting level. [0=Disable/1=Enable] To set the level use [Parameter 55] Double Tap Up Level.	0-1	0
54	1	Double Tap Down Paddle to Go to Specific Dim Level	Double tap the down paddle to have the load go to a specific level. [0=Disable/1=Enable] To set the level use [Parameter 56] Double Tap Down Level.	0-1	0
55	1	Double Tap Up Level	Set the LT-3300 to go to a specific level when [Parameter 53] Double Tap Paddle to go to Level is enabled.	1-99	99
56	1	Double Tap Down Level	Set the LT-3300 to go to a specific level when [Parameter 54] Double Tap Paddle to go to specific Dim Level is enabled.	0-99	1
58	1	Exclusion Behavior	Define how the LT-3300 will behave when tapping the configuration button 3x for exclusion mode. Since the configuration button can be multi-tapped to execute a scene, you may need to adjust the exclusion behavior if there is a scene assigned to pressing the Configuration button 3x. [0=Status LED does not pulse (Light goes into exclusion mode - Device would only be removed from Z-Wave Network if a gateway was also in exclusion mode at the same time)/1= Status LED Pulses (Light goes into exclusion Mode)/3=Status Light does not pulse (Light does not go into exclusion mode - Requires Factory Default or Parameter Change to exclude device).	0-2	1

Parameter	Bytes	Name	Function	Range	Default
59	1	Association Behavior	Define the communication of where the LT-3300 should send commands during an association. [0=Disabled/1=Local/2=Z-Wave Hub/3=Local & Z-Wave Hub]	0-3	1
64	4	LED 1 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 1' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
69	4	LED 2 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 2' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
74	4	LED 3 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 3' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
79	4	LED 4 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 4' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
84	4	LED 5 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 5' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
89	4	LED 6 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 6' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
94	4	LED 7 Light Stripe Effect (Notification)	Notification Effect - Set 'LED 7' to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
95	1	All LED Color when ON	Change all status LED's to a specific color when the load being controlled is ON. [0-254= Hex Value Color]	0-255	170
96	1	All LED Color when OFF	Change all status LED's to a specific color when the load being controlled is OFF. [0-254= Hex Value Color]	0-255	170

Parameter	Bytes	Name	Function	Range	Default
97	1	All LED Brightness when load is ON	Change all status LED's brightness to a specific brightness level when the load being controlled is ON. [0-100=Brightness Level (0=Off, 1=Low...50=Mid... 100=Max]	0-100	33
98	1	All LED Brightness when load is OFF	Change all status LED's brightness to a specific brightness level when the load being controlled is OFF.[0-100=Brightness Level (0=Off, 1=Low...50=Mid 100=Max]	0-100	1
99	4	All LED Light Stripe Effect (Notification)	Notification Effect - Set all LED's to display a specific notification color, brightness, or effect for a determined duration of time. [0=Off/0-1-4294967296= Byte1 - Color, Byte2 - Brightness, Bytet3 - duration, Byte4 - Effect]	0-4294967296	0
100	1	LED Scale	Adjust the scale of the LED status bar's level. [0=Normal Level 1=Increased (Displayed Slightly Higher)]	0-1	1
158	1	Dimmer or Switch Mode	Set the LT-3300 to be a Dimmer or a Switch (On/Off Only). [0=Dimmer Mode/1=Switch Mode]	0-1	1
159	1	Use only One Status LED [Switch Mode Only]	Use only one LED on the status bar, or use all seven status bar LEDs to show the LT-3300's status. [0=All Status LEDs Used/1=Only one Status LED used]	0-1	0
161	1	Relay Audible Click Sound	Configure the LT-3300 to make a audible clicking sound when turning ON or OFF. [0=Audible Click On/1=Audible Click Off]	0-1	0
262	1	Double Tap Configuration Button to 'Clear Notification'	Enable of Disable the ability to clear current LED notification display by a double tap of the 'Configuration' button [0=Enabled/1=Disabled]	0-1	0

Lighting Bypass:

NOTE: A bypass is required if you are using a bulb that is under 25W.
Most LED bulbs are only 8-12W, so you will need to either have multiple bulbs
or install a bypass (sold separately) as shown below.
The bypass can get the required wattage down to about 6W.

The Lutron LUT-MLC is a popular device used for this purpose. You can find details and purchase here: **LUT-MLC on Amazon**
The Jasco Lighting Bypass 52327 can also be used for this purpose. You can find details and purchase here: **Jasco 52327 on Amazon**
The Aeotec Lighting Bypass can also be used for this purpose. You can find details and purchase here: **Aeotec Bypass on Amazon**

Additional Information & Resources:

Please refer to the section on **URC Lighting** for additional information using URC Lighting in Accelerator 3.

Please refer to the article **URC Dimmer (LT-3100) Parameters** for additional information on setting device parameters.

Please refer to the article **URC Switch (LT-3200) Parameters** for additional information on setting device parameters.

Please refer to the article **URC Dimmer/Switch (LT-3300) Specifications** for additional information for this device.

Please refer to the article **LT-3300 Single Pole Connection Examples** for additional information for this device.

Please refer to the article **LT-3300 3-Way Connection Examples** for additional information for this device.

To learn more about Accelerator 3 configuration and programming, please see the Accelerator 3 online **Programming Guide**.