URC Lighting: Setting the LT-3100 Minimum Dim Level Parameter

Last Modified on 03/08/2024 12:56 pm EST

URC Lighting-Setting the LT-3100 Minimum Dim Level Parameter (URC Lighting Dimmer LT-3100)

In some instances, an LED bulb or fixture may require a minimum "ON" setting before the LED is energized enough to illuminate.

Since the default ON value is "10" (\sim 10%) for the URC LT-3100 dimmer, you may need to adjust this default value to a higher setting for proper operation.

For example, an LED bulb may require a minimum of a 25% setting to illuminate and turn on.

This article will detail the steps required to set the **Minimum Dim Level Parameter** for a URC Dimmer.

Dimmer Parameters: URC Lighting Dimmer LT-3100

Parameters refer to the number of adjustable settings that determine how a URC Lighting device functions. Depending on the device, you can adjust how the device performs. Anything from LED color, to ramping rate, to associations (and many more) through its corresponding parameter. A specific parameter may require testing or experimentation to find the desired setting. Please refer to the additional articles at the end of this article for a full listing of all adjustable parameters for URC Lighting devices.

Parameter	Name	Function	Min	Max	Default Value
5	Minimum Dim Level	Minimum Dim Level the light will adjust to before turning OFF.	1	45	10
		[1 = 1% to 45 = 45%]			

URC Dimmer - Setting the Minimum Dim Level Parameter

Step 1: In the Accelerator software, go to Step #10d as shown below.Step 2: Select the desired URC lighting device to be adjusted and then click on the Settings button.

	JRC stems 11.Edit User 12.Macro Interfaces Editing		Download & Test	
Step 10 Home Automation: TRF-ZW 10				
TRF-ZW10 (1) Confice Confice Cellino Eixhure (15) URC Dimmer (0)	Include Node Vame URC Dimmer Associations So % Level Cha Start Da URC Cha Start Da URC Dimmer URC DIMER URC	Electric Meter	Tools On Stop Change W	

Step 3: Select Parameter 5 - Minimum Dim Level by checking the box or highlighting the parameter.

Select Al					ſ	-Functions -					
Select All Deselect All Read Selected						Add a Nev	v Parame	eter	-	Open	
Number	Name	Value	Description		Forma	at	Size	Min	Max	Default	2
1	Dimming Speed		Adjustment sp	eed (secon	Unsign	ned integer	1	0	100	3	
<u>2</u>	Dimming Speed		Adjustment sp	eed (secon	Unsign	ned integer	1	0	101	101	
 □ 3	Ramp Rate		On/Off ramp rate (second Ur		Unsign	ned integer	1	0	101	101	=
<u> </u>	Ramp Rate MRX				Unsign	Unsigned integer		0	101	101	
5	Minimum Dim Level		Minimum dim le	evel % of th	Unsign	ned integer	1	1	45	10	1
6	Maximum Dim Level		Maximum brigh	ntness level			1	55	99	99	I
8	Auto Off Timer		Automatically	turns the s	Unsign	ned integer	1	0	32	0	
9	Default Turn On		Default turn o	n level of lig	Unsign	ned integer	1	0	99	0	
10	Default Turn On		Default turn o	n level of lig	Unsign	ned integer	1	0	99	0	
11	Power On State		When power is	s restored a	Unsign	ned integer	1	0	101	101	
12	Association Beh		Determine whe	en the dimm	Unsign	ned integer	1	1	15	15	
4	LED Todicator Color		Cot the defaul	t color of th	Uneion	and internet	2	0	255	170	Ľ
et Paramete	ers				- 1						
Make all de	sired changes then clic	Set to se	end them to the	device. Rememb	per to w	ake the devi	ce if it is	battery	powered	ł.	
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Step 4: By clicking on the Value column, a drop-down selection box will appear with a listing of applicable values. Select the desired value.

The selected value will now appear inside the value box.

p 10 Home Automation: TRF-ZW10 (((*))) (TRF-ZW b.IP Cameras c.URC Intercom d.TRF										
Devices Node Information Scenes Scene Con	Settings									
TRF-ZWX Devices Refresh Node Info	Select		Read Select	ed	-Functions - Add a Nev	v Parame	eter	•	Open	
Office Ceiling Light (16)	Na	Name	Value	Description	Format	Size	Min	Max	Default	
URC Dimmer (0)			Value	•						н
		Dimming Speed		Adjustment speed (secon	Unsigne		0	100	3	
		Dimming Speed MRX		Adjustment speed (secon	Unsigne		0	101	101 101	
		Ramp Rate Ramp Rate MRX	- V -		Unsigne		0	101	101	=
	5	Minimum Dim Level		Minimum dim level % of th	Unsigne		1	45	101	
	∑ 5	Maximum Dim Level		Maximum brightness level	unsigne	1	55	99	99	
		Auto Off Timer	14 🔺 15	Automatically turns the s	Unsigne	-	0	32	0	
		Default Turn On Level	16		-		0	99	0	
		Default Turn On Level	17	Default turn on level of lig	Unsigne		0	99	0	
		Power On State	18	When power is restored a	-		0	101	101	
		Association Behavior	20	Determine when the dimm			1	101	101	
		LED Indicator Color	21	Set the default color of th			0	255	15	
		LED Intractor Color	22	Set the default color of the LE	Unsigne	2	0	10	1/0 c	-
	d	estred changes then click Set	24 25 26 27 28 to 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43	to the device. Remember to w	vake the devi	ce if it is	battery	powered	j.	

Step 5: To set the desired value, you must click on the **Set** button under the Set Parameters section.

Pro Tip: It is possible to set multiple values at the same time prior to clicking the Set button. For example, you could choose to set the minimum and maximum levels for a device and set them both at the same time.

ara	meters -				-Functions -					_
Select All Deselect All Read Selected		ted	Add a Nev	v Param	eter	•	Open			
N	umber	Name	Value	Description	Format	Size	Min	Max	Default	1
	1	Dimming Speed		Adjustment speed (secon	Unsigne	1	0	100	3	
	2	Dimming Speed MRX		Adjustment speed (secon	Unsigne	1	0	101	101	
	3	Ramp Rate		On/Off ramp rate (second	Unsigne	1	0	101	101	1
	4	Ramp Rate MRX		On/Off ramp rate (second	Unsigne	1	0	101	101	
\checkmark	5	Minimum Dim Level	25	Minimum dim level % of th	Unsigne	1	1	45	10	1
	6	Maximum Dim Level		Maximum brightness level		1	55	99	99	L
	8	Auto Off Timer		Automatically turns the s	Unsigne	1	0	32	0	
	9	Default Turn On Level		Default turn on level of lig	Unsigne	1	0	99	0	
	10	Default Turn On Level		Default turn on level of lig	Unsigne	1	0	99	0	
	11	Power On State		When power is restored a	Unsigne	1	0	101	101	
	12	Association Behavior		Determine when the dimm	Unsigne	1	1	15	15	
	13	LED Indicator Color		Set the default color of th	Unsigne	2	0	255	170	
	14	LED Totopoity When On		Cat the intensity of the LE	Heniana	1	0	10	c	
	Paramete ke all des Set	sired changes then click Set to	o send the	m to the device. Remember to v	vake the devic	ce if it is	battery	powered	d.	
_				Close						_

Step 6: After clicking the **Set** button, the new desired parameters will be sent to the device. A "set OK" notification will display in the Set Parameters window.

					ſ	-Function	s —				
Select A	II Deselect All	R	ead Selected			Add a I	New Para	meter	*	Open	
Number	Name	Value	Description		Format		Size	Min	Max	Default	
1	Dimming Speed		Adjustment sp	eed (secon	Unsigned	integer	1	0	100	3	
2	Dimming Spee		Adjustment sp		Unsigned	integer	1	0	101	101	
3	Ramp Rate		On/Off ramp r	ate (second	Unsigned	integer	1	0	101	101	
4	Ramp Rate MRX		On/Off ramp r	ate (second	Unsigned	integer	1	0	101	101	
✓ 5	Minimum Dim	26	Minimum dim le	vel % of th	Unsigned	integer	1	1	45	10	
6	Maximum Dim		Maximum brigh	ntness level			1	55	99	99	L
8	Auto Off Timer		Automatically t	turns the s	Unsigned	integer	1	0	32	0	
9	Default Turn		Default turn or	n level of lig	Unsigned	integer	1	0	99	0	
10	Default Turn		Default turn or	n level of lig	Unsigned	integer	1	0	99	0	
11	Power On State		When power is	restored a	Unsigned	integer	1	0	101	101	
12	Association B		Determine whe	en the dimm	Unsigned	integer	1	1	15	15	
13	LED Indicator		Set the defaul	t color of th	Unsigned	integer	2	0	255	170	
14	ED Intensity		Cot the intensi	ty of the LE	Unsigned	integer	1	0	10	c	
Se	sired changes then									kparam_size	2= .
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Step 7: If you need to verify an existing setting prior to changing the value setting or if you simply need to verify a setting just made, you can use the **Read Selected** button. You will first need to check the boxes for any parameters that you wish to verify. The current value(s) will be displayed in the Value column after the "Getting Parameters" sequence is finished.

				ſ	Function	s ——				
Select A	I Deselect All	R	ead Selected		Add a N	New Para	ameter	*	Open	
Number	Name	Value	Description	Format		Size	Min	Max	Default	
1	Dimming Speed		Adjustment speed (secon	Unsigned	integer	1	0	100	3	
2	Dimming Spee		Adjustment speed (secon	Unsigned	integer	1	0	101	101	
3	Ramp Rate		On/Off ramp rate (second	Unsigned	integer	1	0	101	101	=
√4	Ramp Rate MRX	101	On/Off ramp rate (second	Unsigned	integer	1	0	101	101	
✓ 5	Minimum Dim	26	Minimum dim level % of th	Unsigned	integer	1	1	45	10	
√6	Maximum Dim		• · · · ·				55	99	99	
8	Auto Off Timer	Get Par	ameters				þ	32	0	
9	Default Turn						þ	99	0	
10	Default Turn	Getting	parameters				þ	99	0	
11	Power On State						þ	101	101	
12	Association B						1	15	15	
13	LED Indicator						þ	255	170	-
14	I ED Totopolity							10	c	
t Paramet 1ake all de		click Set to	send them to the device. Rem	ember to w	ake the d	evice if i	t is batte	ery power	red.	
Se	t							·		
REST API I	Data : cmd=4&ifd=2	268501104	l¶m_num=5¶m_cnt=1	&hand_sha	ke=0&us	e_def=0)¶m	_val=268	¶m_size	•
set OK										-

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) 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**.