FORD LDM Localization - 功能 #2561

功能 # 2519 (已关闭): Ford_SYSR: System Requirement

Ford_SYSR : FS_REQ0041_V2 Channel output intensity Smooth Fading

2024-10-24 18:35 - 玉洁金

状态:	已关闭	开始日期:	2024-11-01
优先级:	普通	计划完成日期:	2024-11-07
指派给:	涛陆	% 完成 :	100%
类别:		预期时间:	0.00 小时
目标版本:	H003_SW0007169.A001.8	耗时:	0.00 小时

描述

No ramping is required between 0 and 5%, 8 bit resolution is required. A non-linear ramp per Steven 's Power Law shall shall be used to calculate each PWM ramp. The lighting functions will use a cubic ramp where possible unless specifically exempted.

For features that use linear fading the segments 0% to 5% (during fade in) and 5% to 0% (during fade out) are the most noticeable changes in luminous output due to how the human eye perceives light. The first 5% of the fade in and last 5% of the fade out will need to be longer to appear smooth. Multiplying the normal linear duration by 4 for these 5% will allow the light fade to appear smoother.

Step 1: The LDM shall calculate target duty cycle following the based on the input ramping speed/configured fade speed.

Step 2: LDM shall calculate the fading speed for all LEDs using the transition. Transition time is defined as time to reach 100% light intensity. (ms/100%) The LDM shall use provided transition time to recalculate the LED current duty cycle curve (Value Table) following Stevens power law. (s. Example below)



フロタ・

功能 # 2775: Ford_SWER_0041_0001:Channel output intensity Smooth	已关闭

历史记录

#1 - 2024-10-25 09:56 - **涛 陆**

完成

#2 - 2024-11-19 10:37 - **斌 徐**

- 状态从新建变更为已关闭

文件

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2024-10-24