

# PIONEER MAGVEL ADJUSTMENT STEP 1 - 3.3V OUTPUT

Before this step, one side will cut near the center

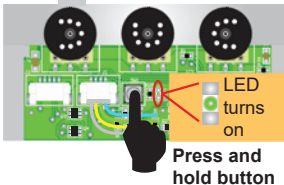
After this step, both sides will cut but gap is large. Fix this by proceeding to **STEP 2**

**\*\*\*ALL DJM-A9 USERS PLEASE SKIP TO STEP 2**

1) Knob starts all the way left.  
Press and hold the button.



2) Slide the knob to the middle.  
Keep holding on to the button.



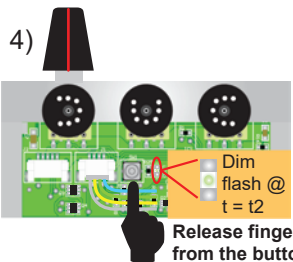
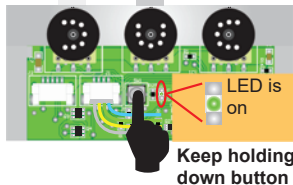
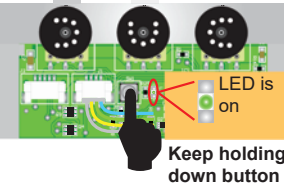
3) Slide the knob all the way back to the left.  
Keep holding down the button.



When you are done, the PNP3 will reset itself and go through a sequence of flashing LEDs.

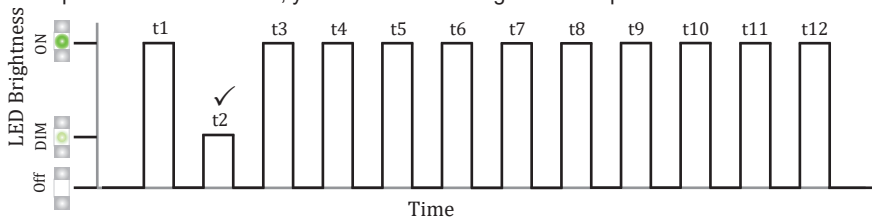
If this step was done correctly, the 2nd of 12 LED flashes will be dimmer than the other flashes. See details next page.

**Please repeat this step if the 2nd of 12 LED flashes is still bright!**

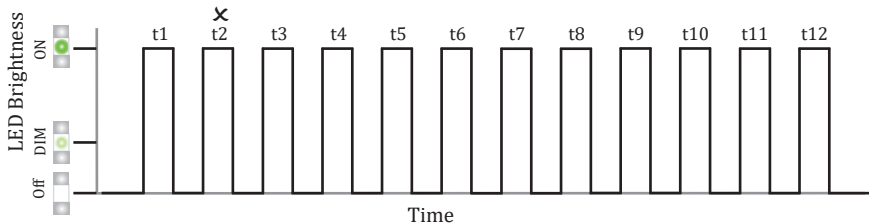


## 12 LED FLASH SEQUENCE AFTER PIONEER MAGVEL STEP 1

If you did the adjustment correctly, immediately after calibration and every time you power on the Innofader, you'll see the following LED flash pattern. Note the DIM LED:



If you did NOT do the calibration correctly, the LED flash at time t2 will be bright. Please make sure to redo Step 1 if this happens! Step 2 will NOT work properly until Step 1 is successfully completed.



## PIONEER MAGVEL ADJUSTMENT STEP 2 - PRECISION MODE

This gets rid of the excessive lag on both sides regardless of the CURVE setting. When done properly, cuts are sharp, the LED flashes on the cut, and you can set the CURVE dial in the middle for quality video mixing or however else you want.

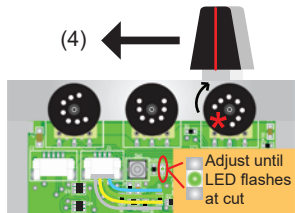
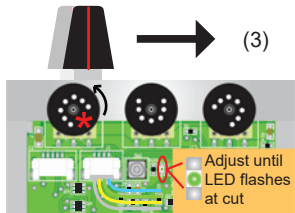
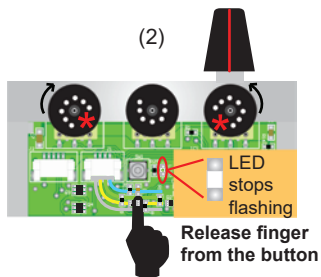
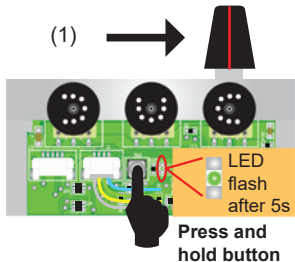
1) Slide knob all the way right.  
Press calibration button > 5 seconds until the LED starts to flash.

2) Release the calibration button.  
Turn RIGHT CUT and LEFT CUT dials all the way towards the center.  
The LED will be off.

**\*\*\*Right and left are as viewed from the front of the Innofader PNP3**

3) Adjust RIGHT CUT dial until the LED flashes on when sound cuts in and off when sound cuts off.  
Check multiple times to confirm.

4) Adjust LEFT CUT dial until the LED flashes on when sound cuts in and off when sound cuts off.  
Check multiple times to confirm.

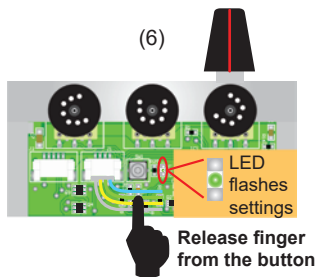
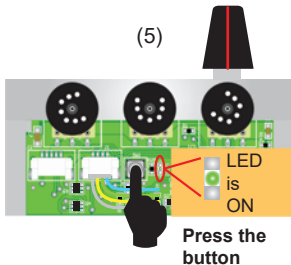


## PIONEER MAGVEL ADJUSTMENT STEP 2 - PRECISION MODE (continued)

This gets rid of the excessive lag on both sides regardless of the CURVE setting. When done properly, cuts are sharp, the LED flashes on the cut, and you can set the CURVE dial in the middle for quality video mixing or however else you want.

5) Press the calibration button for about 1/2 second. The LED will be on at this point.

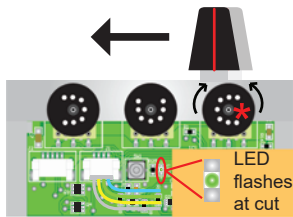
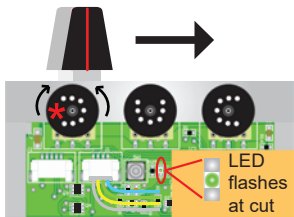
6) Release the calibration button. The LED will then flash a pattern to indicate all of the settings. See details next page.



**\*\*\*Right and left are as viewed from the front of the Innofader PNP3**

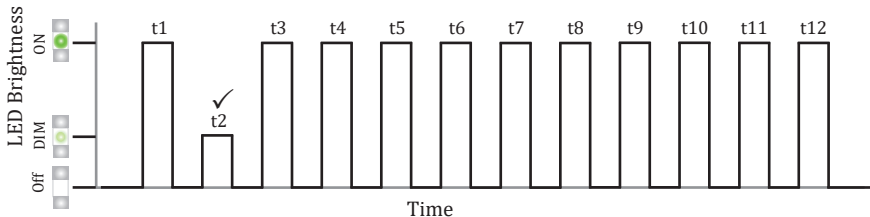
7) Adjust RIGHT CUT dial to where you get the desired cut point.

8) Adjust LEFT CUT dial to where you get the desired cut point.



## PIONEER MAGVEL ADJUSTMENT STEP 2 - PRECISION MODE (continued)

The 12 LED flash pattern is unchanged by the Cut Point Threshold Adjustment  
It will show the 3.3V Output adjustment you did in Step 1:



But now this pattern is immediately followed with a pattern showing how you adjusted the cut point. Each adjustment is a number 0 (no adjustment) to 255 (max adjustment). t13 to t20 is for the LEFT CUT and t21 to t28 is for the RIGHT CUT. **If both adjustments are zero, this flash pattern is skipped.** So the following shows a LEFT CUT adjustment of 32 (00100000 in binary) and a RIGHT cut adjustment of 64 (01000000 in binary):

