INNOFADER RANE 1-70-72 BLEED FIX MODE

Do for Rane 1/70/72 if output sometimes doesn't turn off even when set for large gap
IF BLEEDING ISN'T AN ISSUE, PLEASE PROCEED TO PRECISION MODE

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

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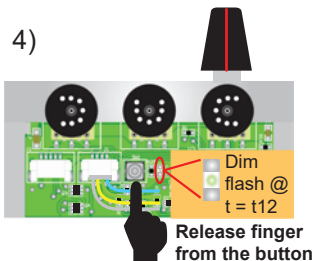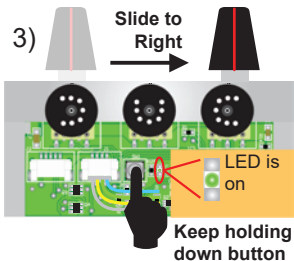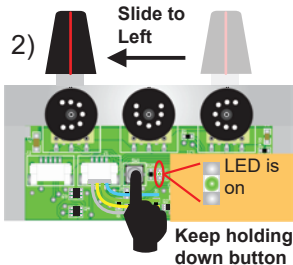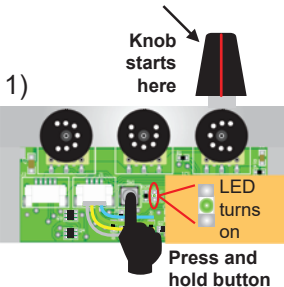Keep holding on to the button.

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

4) Release 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 last of 12 LED flashes
will be dimmer than the other
flashes. See details next page.

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

1) Knob starts here — Press and hold button — LED turns on

2) Slide to Left — Keep holding down button — LED is on

3) Slide to Right — Keep holding down button — LED is on

**4)** Release finger from the button — Dim flash @ t = t12

12 LED FLASH SEQUENCE AFTER BLEED FIX MODE

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:
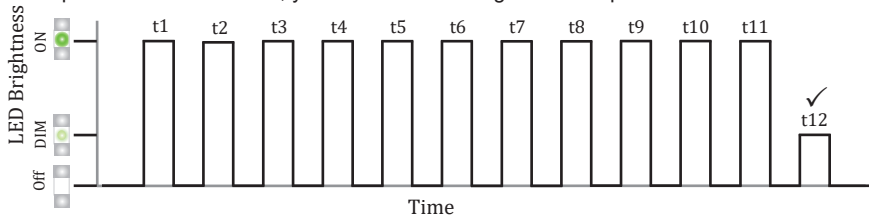
If you did NOT do the BLEED FIX MODE setting correctly, the LED flash at time t12 will be bright. Please make sure to redo the BLEED FIX MODE setting if this happens!
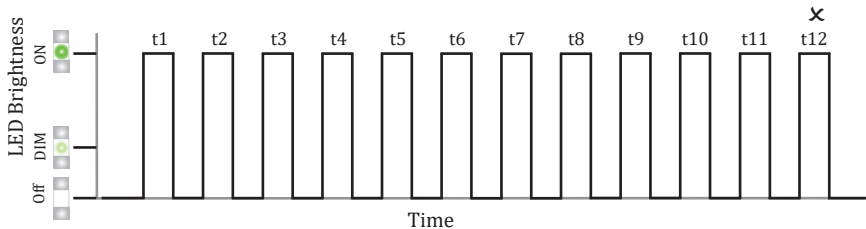
BLEED FIX MODE - MIXER SETTINGS

The Rane One, Seventy, and Seventy-two have an issue where the output doesn't shut off even though the Rane adapter board sends clear off signals. Having the Rane adapter board continually send an off signal did not fix this problem. So engineer and Innofader owner Elliot Marx fixed this issue by having the Innofader send an oscillating signal from 0 to 1 MIDI on one end of the crossfader and from 127 to 126 MIDI on the other end of the crossfader. The oscillation can be heard as a transforming effect that happens at the left and right cut points.

For sure you do not want to hear the oscillation while you are playing live! So fix this problem as follows:
1) On the Rane One, start with no gap and increase the lag until the oscillation goes away.
2) On the Rane Seventy and Rane Seventy Two, set the gap to 2 for each side of the crossfader.

You'll notice at this point that the cutting action is clean, but it may be difficult to minimize the gap, and the overlap between the cut-in and cut-out may be larger than desired. **The next step will fix this.**

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 flashs on the cut, and you can set the CURVE dial in the middle for quality video mixing or however else you want.
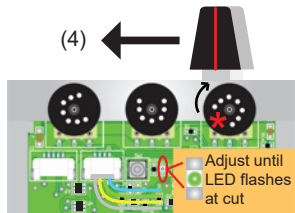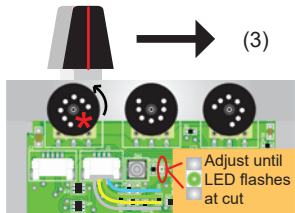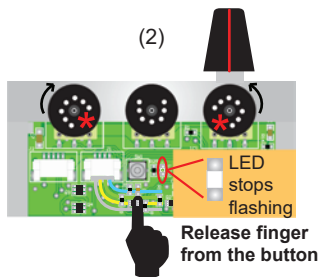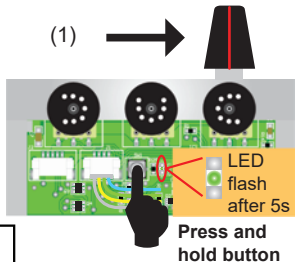
1) Slide knob all the way right. Press calibration button > 5 seconds until the LED starts to flash.

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 Rane 1-70-72

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.

(1) LED flash after 5s — Press and hold button

(2) LED stops flashing — Release finger from the button

(3) Adjust until LED flashes at cut

(4) Adjust until LED flashes at cut

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 flashs on the cut, and you can set the CURVE dial in the middle for quality video mixing or however else you want.

(5)

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

LED is ON

Press the button

(6)

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

LED flashes settings

Release finger from the button

***Right and left are as viewed from the front of the Innofader Rane 1-70-72**

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

LED flashes at cut

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

LED flashes at cut
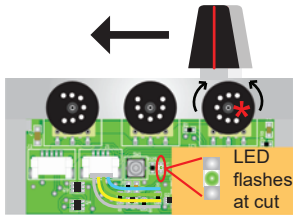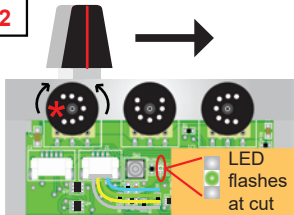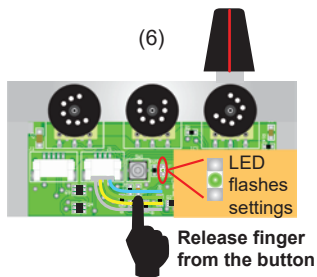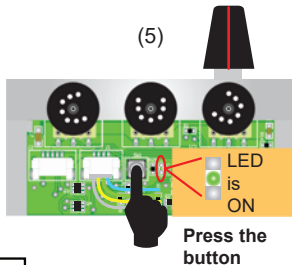
PRECISION MODE (continued)

The 12 LED flash pattern is unchanged by the Precision Mode Adjustment
The 12th LED will be dim or bright depending on whether you did the Bleed Fix setting
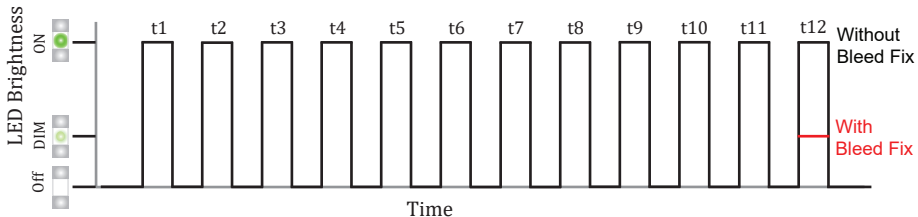
Now following the original 12 LED flashes is another 16 LED flashes. t13 to t20 is for the LEFT CUT and t21 to t28 is for the RIGHT CUT representing an 8 digit binary number 00000000 (0) to 11111111 (255). Bright = 1, dim = 0. This adjustment should be small since the Rane cut points are very close to the min and max. So the following shows a LEFT CUT adjustment of 8 (00001000 in binary) and a RIGHT cut adjustment of 6 (00000110 in binary):