

Mission EP1-L6™ and Line 6® Pod HD Compatibility

12-9-10. Mission Engineering has identified a potential compatibility issue with the Mission EP1-L6 Expression Pedal and the Line 6 Pod HD400 and Pod HD500 Modeling Amplifiers. The issue results in an effect assigned to the pedal 2 interface reaching maximum value ahead of the full toe down sweep of the pedal. As a result, the last part of the sweep of the pedal has no effect. The exact amount of sweep lost varies between pedals, and some may not experience the issue at all.

The cause of the issue is due to a variance in resistance at the output of the EP1-L6 pedal to which the Pod HD is more sensitive than other Line 6 devices. The Pod HD requires that pedal resistance at full toe down should be exactly 10K Ohm. The EP1-L6 typically varies between 11K and 13K Ohm at toe down. This variance has no noticeable effect when the EP1-L6 is used with other Line 6 devices, and in testing, has only been seen to cause the problem with the Pod HD400 and Pod HD500.

The issue has been resolved by making a small change to the specification of the EP1-L6 Expression Pedal. We have replaced a 47k resistor for a 22k resistor in the EP1-L6 circuit. We have also modified our manufacturing test procedure to require 10K Ohm at toe down. We have verified that the change has no negative effect on the performance of the EP1-L6 with any of the other Line 6 devices. As a result, all Mission EP1-L6 Expression Pedals manufactured on or after 12/13/10 will be updated to rev. 1.5 or above and will include this change.

If you have a Mission EP1-L6 Expression Pedal manufactured before 12/13/10 that you are using with a Pod HD400 or Pod HD500, and are experiencing this problem, you can contact Mission at info@mission-engineering.com. We will advise how you can receive a self-install upgrade kit, or how you can return the pedal to Mission for upgrading. The Manufacturing date is on a silver label on the inside of the base of the pedal. No action is necessary for using the EP1-L6 with any Line 6 devices other than the Pod HD400 and Pod HD500. The revision does not have any impact on the behavior of the pedal with any other devices.