



ESU Braking feature for the UK's Favourite decoder.

Changes made to the existing Dynamic Brake by adding a New CV 179 as an addition to CV 4 now offers two types of Braking with even more realism. The stopping distance required can be achieved with practice by reducing the throttle to zero and pulsing the F Key when slowing to a stop. This gives a very nice play feature to the ESU V4 decoder range.

Option 1 (Fail-safe using a latched F Key)

Extended Brake (CV 179 > CV 4)

Light Engine When the throttle is reduced to zero and the 'Dynamic brake' is OFF the loco stops, using a suggested mid-point value in CV 4 as normal.

Heavy Train Press F Key **ON to Enable**. With the 'Dynamic brake' ON, the loco now stops using a suggested high value in CV 179. The higher the value, the more the loco will run on. When stopping Press F Key **OFF to Brake** then ON again to enable.

Option 2 (For the professional driver using a momentary F Key)

Dynamic Brake (CV 4 > CV 179)

When the throttle is reduced to zero and the 'Dynamic brake' is OFF the loco stops, using a suggested high value in CV 4. With the 'Dynamic brake' ON, the loco stops using the reduced value in CV 179. The lower the value, the harder the braking effect will be. Press F Key **ON to Brake** then OFF to release.

Note:

- 1) Differences in both CVs 4 and 179 values (0-255) along with Motor / Gearbox combinations will have an effect on the overall Braking experience.
- 2) LokSound V4 brake sound thresholds CVs 64, 65 may have to be reduced by 2 digits after setting up the 'Brake' To allow for the new stopping distance.