

## **NON-OFFICIAL ADDITIONAL CODES**

### **King class sound project by locomansounds**

**This project has been set up with ESU software version 4.7.0.**

**We strongly recommend not to use any other version.**

**If possible, changes should be done only by using PoM (Programming on Main track).**

Why unofficial codes?

Because these functions depend on several factors or settings.

Proper execution can not be guaranteed under all possible circumstances, so they are not part of the official description of the project.

### **CV4 setting**

- Values above 250 will give you braking times which are much longer than officially documented. By using our iMPRESSIVE!dRIVE feature up to 12 minutes are possible. *With these values, proper braking can only be achieved by using F4 (F14, F24).*

### **Throttle control**

When stationary:

- Short opening of throttle will enable the ejector if it has been off before.
- If you inadvertently started with open drain cocks, turning the throttle wide open lets the sound end a little earlier (no full throttle, otherwise you get wheelslip).

### **F5 ejector and blower control**

The ejector (if off) will be activated in advance when the decoder is expecting that you want to drive off. This is achieved by some logical programming.

### **F8 load simulation**

- When in coasting and F9 is off, a short double-click on F8 will bring the sound back to normal chuffs without turning the throttle.

### **F9 coast mode**

- When at constant speed and F8 is off, a short double-click on F9 will bring the sound to coasting without turning the throttle.

### **F8 AND F9 on**

- The sound will not automatically go back from loud chuffs, only if you reduce speed.
- The sound will automatically go from coast to drive as soon as a constant speed is reached.

### F10 coal shovelling

- Short double-click starts the random sound once, so you don't have to care about correct amount of coal or function end, decoder will calculate.
- If firebox door is still open for a while after shovelling when the locomotive is stationary, door can be closed earlier by short double-click.
- If you let the fireman shovel 10 (stationary) or 15 (while driving) shovels of coal into the firebox, the safety valve random sound will be activated once.

### F13 injector

- Short double-click starts the random sound once.

### F15 safety valve

- Short double-click starts the random sound once.
- Can also be started by shovelling too much coal, see above.