

Function Key Guide

King class sound project by locomansounds

Throttle control

Open throttle some steps -> chuffs to full power.

Constant speed -> sound back to normal chuffs.

Close throttle 1 step -> sound to coast, *will stay there*.

Open throttle 1 step or more when in coast -> normal chuffs.

Throttle closed few steps -> loco will coast with almost no deceleration

Throttle to Step 1 or 2 or 3 -> loco will slightly brake

Throttle to zero -> stronger braking, brake valve sounds and brake squeal enabled.

Pulling up throttle slowly from start -> prototypical start sequence: soft chuffs at start.

Pulling up throttle to speed step 27 or 28 at low speed -> wheelslip.

Reducing throttle to any speed step below 27 -> wheelslip ends.

Pulling up throttle to speed step 27 or 28 at medium or high speed -> faster acceleration.

Automatic functions

Automatic start with open drain cocks after 1 minute stationary.

Automatic ejector shutdown after half a minute stationary.

Automatic ejector start when you intend to start soon.

Automatic "soft" chuffs after wheelslip.

Random coal shovelling.

Random injector sound.

Conditional random function: safety valve

- conditional random means that the activation of the safety valve depends on how many times the random shoveling sound was played in succession, without the random injector sound being played.

F1 sound on and volume adjustment

From 25% to 150%.

Preset is 100%.

Double-click = 25% more volume.

When being on 150%, the next double-click sets volume to 25% again.

Values over 100% could negatively affect the life of the speaker.

F2 playable whistle

Set function key to momentary

Press the function key the way you like, the sound of the whistle will follow.

F3 short and fancy whistle

Set function key to momentary

Long keystroke -> fancy whistle.

F4 shorter braking distance

Enables brake valve sound and shortens the braking distance as defined in CV 179.

F5 Enable/disable open draincocks

Set function key to momentary

Short keystroke (0.5 sec.): automatic draincocks at start are enabled.

Long keystroke (1 sec.): automatic drain cocks disabled for 1 minute.

F6 automatic coupler sequence (available in shunting mode only)

Read instructions for CV settings before you use this feature.

Coupling:

1. Approach the train, throttle still above zero, activate F6-> function is on *standby* .
2. Turn the throttle to zero *at the right moment*-> almost immediate stop and buffer clash -> coupling sound.
3. Allow coupling sound sequence to end. *Don't forget to switch F6 off.*

Uncoupling:

Important note: before pressing F6 for uncoupling, the correct direction of travel must be set on the locomotive, always in such a way that it moves away from the train.

1. Activate F6 -> uncoupling sound. The locomotive will move on its own to relieve the coupling device.

If this movement is not wanted -> read CV settings King class manual, set CV 246 = 0.

In parallel, Aux 3 will be active.

2. Allow coupling sound sequence to end. *Don't forget to switch F6 off.*

F7 at stop: guard's whistle

Set function key to momentary

Short keystroke -> "branch line" whistle.

Long keystroke = "mainline" whistle.

F7 while driving: curve squeal

Set function key to momentary

F8 load simulation

Sets the sound to louder chuffs, as during acceleration or on a grade.

F9 coast mode

Sets the sound to coast (rod clanks).

F10 coal shovelling

Also Aux 1 (firebox flicker) active.

F11 ejector/blower

set function key to momentary

Short or long keystroke enables / disables ejector and / or blower as follows:

Short when off: ejector on.

Short when ejector on: blower on.

Short when blower on: back to ejector only.

Long keystroke when ejector on: ejector off.

F12 doors

In shunting mode:

on = cab door open.

off = cab door close.

In train mode:

on = coach door closing sounds (looped).

F13 injector

F14 shorter braking distance

Identical with F4 and F24.

F15 safety valve

F16 AND F17 coal tower scenario

F16 without F17 water crane scenario

F17 shunting mode

Alternative sounds and quiet chuffs, stronger braking.

Mandatory for some functions.

F18 disable brake squeal

F19 disable acceleration/deceleration momentum

This will affect drive sounds as the dynamic sound control (load, coast, brakes) can not work properly due to technical reasons.

F20 Aux 2

Preset = Seuthe smoker

F24 shorter braking distance

Identical with F4 and F14.

