

Function Key Guide

Class A4 sound project by locomansounds

Throttle control

Open throttle some steps -> chuffs to full power.

Constant speed -> sound back to normal chuffs.

Close throttle 2 or more steps -> sound to coast, *will stay there*.

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

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

Pulling up throttle slowly from start -> prototypical start sequence: 3 "soft" chuffs at start.

Automatic functions

Automatic start with open drain cocks after 1 minute at stop.

Automatic blower shutdown after 1 minute at stop.

Automatic blower start again.

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 "mainline" whistle

Set function key to momentary

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

F3 situational whistle sounds (semi-automatic)

Set function key to momentary

Longer keystroke -> longer whistle.

Long keystroke in shunting mode at stand: short double blast.

F4 shorter braking distance

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

F5 Enable/disable open draincocks at stop

Set function key to momentary

Short keystroke (0.5 sec.): enabled.

Long keystroke (1 sec.): 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 A4 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 (3 different by random).

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 blower strength

set function key to momentary

Short keystroke changes blower strength.

At stand when off: blower on.

At stand when on: blower off.

At stand when at level 2: back to level 1.

At stand shortly after switched on: level 2.

While driving: toggle between level 1 and 2.

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 coal tower scenario

F16 water crane scenario

F17 shunting mode

Alternative sounds and 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

F21 coupler (sound only)

set function key to momentary

Short keystroke = coupling sound.
Long keystroke = uncoupling sound.

F22 safety valve

F24 shorter braking distance

Identical with F4 and F14.