



Doehler & Haass

# Operations

## F4 active brake:

Close throttle first, then operate F4 when you want to brake down. Switch on and off as required. Sometimes a brake valve sound comes.

Without the brake on, there will be no brake squeal. A high value for CV 4 is recommended.

(**Special feature:** if you change CV 390 from value 4 to 132, the active brake function will be automatically on every time the throttle position is at zero. Opening the throttle switches the active brake off. Recommended for experienced drivers only. There will be no 1st brake valve sound.)

## F8 buffer clashing:

is a nice effect when hauling loose-coupled cars. It has a short start delay and also a short delay when switched off. It also switches off automatically at stop.

For authentic effects when decelerating:

Close throttle, then press F8 and F4 (brake) in short succession. The sound ends after the stop at the latest.

For start:

switch F8 on and start when you want, sound comes automatically with a short delay matching the movement. Don't forget to switch off soon.

## F17 shunting mode:

gives you adjustable lower acc. and dec. values, an adjustable max speed and also offers an adjustable automatic coasting feature up to half speed.

Also the brake sound comes automatically.

## F13 coupling sound:

uncoupling shuffle is possible. See manual CV 138 to 143.