Outputs

Headlights (F0) are on output LV (FL) white cable for front light and LR (RL) yellow cable for rear light, both on the 8-pin plug.
Intensity can be set by CV 52 from 0 to 31 (for both in common).
CV 33 for FL: value 1 = only forward, value 3 = both forward & reverse
CV 34 for RL: value 2 = only in reverse, value 3 = both forward & reverse

Aux1 and Aux 2 are just **simple on-off** outputs with neither flickering effect nor seuthe presetting because it is technically not possible.
This is sufficient for most customers.

Aux 1 (as well as Aux 3 flickering, see below) is always assigned directly to the **coal shovelling sound.** Aux 1 is the green cable on the 8-pin plug.
For flickering on Aux 1 you will have to use a self-flickering LED (about £ 0.50). Intensity can be set by CV 54 from 0 to 31.

Aux 2 (as well as Aux 4 Seuthe, see below) is assigned to **F 20.** Aux 2 can be found on the soldering side just beside where the green cable is soldered on (green is Aux1).
Only the decoder version without the 8-pin plug (harness only) has the violet cable soldered on.
Intensity can be set by CV 55 from 0 to 31.

Aux 3 and 4 are for people with more experience and who are willing to read the instructions because soldering on the decoder board is required

Aux 3 gives you the **firebox flicker effect** but you have to solder directly on the decoder. If you don't want this, you instead can connect to Aux 1 a self-flickering LED (about £ 0.50).
Intensity can be set by CV 461 from 0 to 255 (default 255).
Always use a resistor when connecting an LED to the decoder.

Aux 4 gives you a **Seuthe control** which is a little "dynamic" depending on stop / acceleration / constant speed / coasting, means the intensity of smoke is slightly changing, but don't expect a pulse or even perfection from this feature because of the sluggishness of the Seuthe smoker.
Intensity can be set by CV 463 from 0 to 255 (default 255).
Depending on the Seuthe unit you might have to set the value down in order to recognize differences in intensity.
NOTE: this feature is not officially advertised because it is a first attempt.

Aux 3 & 4 are not on the soldering side of the board.
You can find them in the English D&H manual here:
https://www.locomansounds.com/wp-content/uploads/2020/07/Sound-Decoder-Manual.pdf

Please go to page 7. You will find the respective solder pads at the bottom side of the decoder.