



# LokSound Basic Programming



## Default Function Assignments:

F0 = Headlight  
F1 = Bell  
F2 = Horn/Whistle  
F3 = Coupler

F4 = Aux 1  
F5 = Dynamic Brake/Injector  
F6 = Detector  
F7 = Shunting Mode

F8 = Extended Mute  
F9 = Rail Joint Sound  
F10 = Short air let-off  
F11 = Short Horn/Whistle

## Programming Hints:

Only certain CVs can be programmed in OPS mode, the sound control and lighting effect CVs can only be programmed on the programming track or using the ESU LokSound Programmer.

## Volume Control:

The LokSound volume-control CVs all have a range of 0 through 64, with the default setting being 64.

CV 63 controls the Exhaust volume.  
CV 121 controls the Whistle/Horn volume.  
CV 122 controls the Bell volume.  
CV 123 controls the Auxiliary sound effects volume.

## Programming Lighting Effects:

CV 113 controls the headlight (white wire)  
CV 114 controls the back up light (yellow wire)  
CV 115 controls AUX 1 (green wire)  
CV 116 controls AUX 2 (purple wire)

The table below has the list of values for the given lighting output options at maximum brightness.

## Factory reset of CVs:

Set CV 8 to 8. This will set the CVs to the values listed as default in the LokSound Manual, which differ in some cases with the values programmed into the decoder for a given locomotive sound.

Description	Value
On-off light	15
Phase 1 ditch light	31
Phase 2 ditch light	47
Strobe light	63
Double Strobe light	79
Firebox Flicker	95
Smoke Generator	111
Headlight Bright/dim	127
Mars light	143
Gyra light	159

## Programming alternating ditch lights:

Set CV 113 to 127; CV 114 to 127; CV 115 to 223; CV 116 to 239; CV 141 to 13; CV 144 to 14; CV 153 to 48; CV 156 to 16; CV 112 to 18.

## Programming Chuff Rate:

CVs 57 and 58 control the chuff rate; CV 57 controls the chuff rate at speed step 1; CV 58 controls the rate at which the chuff sound increases as the speed steps increase. The range of values is from 0 through 127.

## Mapping AUX 2 to Function 7

Set CV 183 to 8 maps AUX 2 to the F7 key in the forward direction  
Set CV 184 to 0 removes shunting mode and Acceleration/Break time from the F7 key in the forward direction  
Set CV 186 to 8 maps AUX 2 to the F7 key in the reverse direction  
Set CV 187 to 0 removes shunting mode and Acceleration/Break time from the F7 key in the reverse direction

## To Mute when turning on system:

CV130=0; CV133=70; CV190=4; CV193=4.  
F8 will mute idle sound after running.