



BR Std 5MT on ESU

F key	Function	Volume CV CV31=16, CV32=1
F0	Lights on if fitted (direction dependent)	
F1	Sound on: chuffs1 & chuffs2 (2-channel) // hiss and blower	259 & 267 // 491
F2	Whistle/chime * variable length ***	283
F3	Whistle/chime * short	275
F4	In normal mode: Brake1 (CV 179) and brake valve sounds. In shunting mode (F17): Brake2 (CV 180) and brake valve sound ***	291
F5	Open draincocks	299
F6	Whistle/chime* fancy	307
F7	Guard // Flange squeal (stationary / moving)	315 // 355
F8	Buffer clashing (loose coupled cars)	323
F9	Forced coasting sound	
F10	Coal shovelling & firebox flicker Aux1	331
F11	Injector	339
F12	Coach doors (only when stationary)	347
F13	Coupler sound	499
F14	Whistle/chime * long w. Echo	363
F15	Safety valve	371
F16	Water fill (only when stationary)	379
F17	Shunting / light engine mode, engages: lower speed (CV 101), faster acc/dec (CV 103), small additional brake3 force (CV 181), Automatic coasting (delay = CV 163, max speed = CV 164)	
F18	Vacuum destroy sound	483
F19	Volume control (short press alters CV 63 by 32)	
F20	Aux 2 (Seuthe smoker) **	
F21	Momentum off	
F22	No brake squeal	
F23	Soundfader (min vol = CV 133, fade time = CV 135)	
F24	Forced heavy chuffs and slower acc/dec (CV 104)	
F25	Aux 5	
F26	Reserved	
F27	Light dimming if fitted	
F28	Reserved	
Brake	Brake squeal sound	CV32=2 259
Brake	Brake-on speed: CV 64 Brake-off speed: CV 65	

* CV155 = 0 = whistles / CV155 = 1 = chimes

*** Swap F2 & F4: set (in exactly this order):
CV31 = 16, CV32 = 3, CV386 = 16, CV418 = 1, CV434 = 1
Swap back:
CV31 = 16, CV32 = 3, CV386 = 1, CV418 = 16, CV434 = 16