

E-Modell CV8=69

Model Family Min CV7 value Max CV7 value Internal ID

ECCO GmbH CV8=121

Model Family Min CV7 value Max CV7 value Internal ID

Educational Computer, Inc. CV8=39

Model Family Min CV7 value Max CV7 value Internal ID

Electronic Solutions Ulm GmbH CV8=151

Model	Family	Min CV7 value	Max CV7 value	Internal ID
EZ Command 3 function decoder (36-553)	Bachmann			
Essential Sound Unit	ESU Miscellaneous decoders	255	255	16777363
LokPilot V1.0	ESU LokPilot 1.0	21		
LokPilot 2.0	ESU LokPilot 2.0	0	255	
LokPilotDCC 2.0	ESU LokPilot 2.0	0	255	
LokPilot micro 2.0	ESU LokPilot 2.0	0	255	
LokPilot Micro V3.0	ESU LokPilot 3.0	0	255	33554478
LokPilot Micro V3.0 DCC	ESU LokPilot 3.0	0	255	33554479
LokPilot V3.0	ESU LokPilot 3.0	0	255	33554460,33554470,33554473
LokPilot V3.0 DCC	ESU LokPilot 3.0	0	255	33554461,33554471,33554474
LokPilot Micro Fx V3.0	ESU LokPilot 3.0	0	255	33554486
LokPilot Fx V3.0	ESU LokPilot 3.0	0	255	33554476

LokPilot XL V3.0	ESU LokPilot 3.0	0	255	33554483
LokPilot micro 3.0	ESU LokPilot 3.0	0	255	LokPilot Micro V3.0
LokPilot micro DCC 3.0	ESU LokPilot 3.0	0	255	LokPilot Micro V3.0 DCC
LokPilot 3.0	ESU LokPilot 3.0	0	255	LokPilot V3.0
LokPilot DCC 3.0	ESU LokPilot 3.0	0	255	LokPilot V3.0 DCC
LokPilot mfx 3.0	ESU LokPilot 3.0	0	255	LokPilot Micro Fx V3.0
LokPilot XL 3.0	ESU LokPilot 3.0	0	255	LokPilot XL V3.0
LokPilot Fx 3.0	ESU LokPilot 3.0	0	255	LokPilot Fx V3.0
LokPilot 5	ESU LokPilot 5	255	255	33554600
LokPilot 5 DCC	ESU LokPilot 5	255	255	33554602
LokPilot 5 micro	ESU LokPilot 5	255	255	16777390
LokPilot 5 micro DCC	ESU LokPilot 5	255	255	16777391
LokPilot 5 micro Next18	ESU LokPilot 5	255	255	33554604
LokPilot 5 micro DCC Next18	ESU LokPilot 5	255	255	33554605
LokPilot 5 L	ESU LokPilot 5	255	255	33554609
LokPilot 5 L DCC	ESU LokPilot 5	255	255	33554610

LokPilot 5 Fx micro	ESU LokPilot 5	255	255	33554611
LokPilot 5 Fx micro DCC	ESU LokPilot 5	255	255	33554612
LokPilot 5 MKL	ESU LokPilot 5	255	255	33554601
LokPilot 5 MKL DCC	ESU LokPilot 5	255	255	33554608
LokPilot Basic 1.0	ESU LokPilot Basic 1.0	0	255	
LokPilot Basic 2.0	ESU LokPilot Basic 2.0	0	255	

ESU_LokPilotDCC	ESU LokPilot Silent BEMF decoders	21		
LokPilotDCC V1.0	ESU LokPilot 1.0	21		
LokPilot V4.0	ESU LokPilot V4.0	255	255	33554495,33554564
LokPilot V4.0 DCC	ESU LokPilot V4.0	255	255	33554498,33554565
LokPilot V4.0 DCC PX	ESU LokPilot V4.0	255	255	33554523
LokPilot V4.0 M4	ESU LokPilot V4.0	255	255	33554499,33554566
LokPilot V4.0 M4 MKL	ESU LokPilot V4.0	255	255	33554571
LokPilot Micro V4.0	ESU LokPilot V4.0	255	255	33554496
LokPilot Micro V4.0 DCC	ESU LokPilot V4.0	255	255	33554502
LokPilot Micro SlideIn V4.0 DCC	ESU LokPilot V4.0	255	255	33554574
LokPilot Fx V4.0	ESU LokPilot V4.0	255	255	33554518
LokPilot XL V4.0	ESU LokPilot V4.0	255	255	33554517
LokPilot DCC V4.0	ESU LokPilot V4.0	255	255	LokPilot V4.0 DCC
LokPilot Micro DCC V4.0	ESU LokPilot V4.0	255	255	LokPilot Micro V4.0 DCC
LokPilot Standard V1.0	ESU LokPilot Standard V1.0	255	255	16777308,16777361
LokPilot Nano Standard V1.0	ESU LokPilot Standard V1.0	255	255	16777352
LokPilot Fx Nano V1.0	ESU LokPilot Standard V1.0	255	255	16777352
LokPilot Standard MBW Silberling	ESU LokPilot Standard V1.0	255	255	LokPilot Standard V1.0
Bachmann MK2F	ESU LokPilot Standard V1.0	255	255	16777360
Walthers ML8	ESU LokPilot Standard V1.0	255	255	16777362
				16777367

ESU_LokSound2	ESU LokSound2 Silent BEMF/Sound decoders	21	22	
LokSound 5	ESU LokSound 5	255	255	33554582
LokSound 5 DCC	ESU LokSound 5	255	255	33554588
LokSound 5 micro	ESU LokSound 5	255	255	33554587
LokSound 5 micro DCC	ESU LokSound 5	255	255	33554590
LokSound 5 micro DCC Direct	ESU LokSound 5	255	255	16777370
LokSound 5 L	ESU LokSound 5	255	255	33554589
LokSound 5 L DCC	ESU LokSound 5	255	255	33554592
LokSound 5 XL	ESU LokSound 5	255	255	33554591
LokSound 5 MKL	ESU LokSound 5	255	255	33554598

LokSound V3.0	ESU LokSound V3.0 Silent BEMF/Sound decoders	59	59	
LokSoundXL V3.0	ESU LokSound V3.0 Silent BEMF/Sound decoders	59	59	
ESU_LokSound3	ESU LokSound V3.0 Silent BEMF/Sound decoders	59	59	
LokSoundXL Version 3.0	ESU LokSound V3.0 Silent BEMF/Sound decoders	59	59	
LokSound V3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	16777229,16777234,16777239,16777248
LokSound Micro V3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	16777241,16777246
LokSoundXL V3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	16777230,16777236,16777252
LokSound Version 3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	LokSound V3.5
LokSound Version 3.5 (21 pin)	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	LokSound V3.5
LokSoundXL Version 3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	59	81	
LokSound V4.0	ESU LokSound V4.0	255	255	33554493,33554503,33554538
LokSound V4.0 M4	ESU LokSound V4.0	255	255	33554500,33554536
LokSound V4.0 M4 OEM	ESU LokSound V4.0	255	255	33554521,33554547
LokSound Micro V4.0	ESU LokSound V4.0	255	255	33554497,33554552
LokSound L V4.0	ESU LokSound V4.0	255	255	33554544
LokSound XL V4.0	ESU LokSound V4.0	255	255	33554507,33554541
LokSound V4.0 NEM652	ESU LokSound V4.0	255	255	LokSound V4.0
LokSound V4.0 21MTC	ESU LokSound V4.0	255	255	LokSound V4.0
LokSound Micro V4.0 NEM651	ESU LokSound V4.0	255	255	LokSound Micro V4.0
LokSound Micro V4.0 NEM652	ESU LokSound V4.0	255	255	LokSound Micro V4.0
LokSound Micro V4.0 Next18	ESU LokSound V4.0	255	255	LokSound Micro V4.0

LokSound XL V4.0 Screw Terminals	ESU LokSound V4.0	255 255	LokSound XL V4.0
LokSound XL V4.0 PIN connector	ESU LokSound V4.0	255 255	LokSound XL V4.0
LokSound Select	ESU LokSound Select	255 255	33554492,33554511,33554527,33554569
LokSound Select direct / micro	ESU LokSound Select	255 255	33554506,33554543,33554560
LokSound Select OEM	ESU LokSound Select	255 255	33554533,33554570
LokSound Select L	ESU LokSound Select	255 255	33554553
LokSound Select Direct	ESU LokSound Select	255 255	33554506,33554543,33554560
LokSound Select Micro	ESU LokSound Select	255 255	33554506,33554543,33554560
LokSound Select Diesel Generic	ESU LokSound Select	255 255	Diesel Generic
LokSound Select Alco 244	ESU LokSound Select	255 255	73401
LokSound Select Alco 251	ESU LokSound Select	255 255	73402
LokSound Select Alco 251-16	ESU LokSound Select	255 255	73427
LokSound Select Alco 539T	ESU LokSound Select	255 255	73411
LokSound Select Baldwin 606_606NA	ESU LokSound Select	255 255	73446
LokSound Select Baldwin 606SC_606A	ESU LokSound Select	255 255	73447
LokSound Select Baldwin VO-6	ESU LokSound Select	255 255	73405
LokSound Select EMD 567	ESU LokSound Select	255 255	73406
LokSound Select EMD 645E	ESU LokSound Select	255 255	73407
LokSound Select EMD 12-645 non turbo	ESU LokSound Select	255 255	73443
LokSound Select EMD 12-645E3	ESU LokSound Select	255 255	73439
LokSound Select EMD 16-645 non turbo	ESU LokSound Select	255 255	73426
LokSound Select EMD F40PH	ESU LokSound Select	255 255	73430
LokSound Select EMD 16-645F	ESU LokSound Select	255 255	73450

LokSound Select EMD 645E/F	ESU LokSound Select	255 255	73408
LokSound Select EMD 710GB	ESU LokSound Select	255 255	73410
LokSound Select EMD SD70M-2	ESU LokSound Select	255 255	73425
LokSound Select EMD SD80MAC	ESU LokSound Select	255 255	73461
LokSound Select EMD SD90MAC	ESU LokSound Select	255 255	73431
LokSound Select EMD MP40PH-2C	ESU LokSound Select	255 255	73428
LokSound Select GE Cat-44	ESU LokSound Select	255 255	73444
LokSound Select GE FDL	ESU LokSound Select	255 255	73403
LokSound Select GE FDL-16	ESU LokSound Select	255 255	73445
LokSound Select GE 7FDL	ESU LokSound Select	255 255	73404
LokSound Select Baldwin	ESU LokSound Select	255 255	73405
LokSound Select PCC trolley steetcar	ESU LokSound Select	255 255	73418
LokSound Select Steam Generic	ESU LokSound Select	255 255	Steam Generic
LokSound Select Big Boy 4-8-8-4	ESU LokSound Select	255 255	73416
LokSound Select SP Cab Forward	ESU LokSound Select	255 255	73409
LokSound Select Y6B 2-8-8-2	ESU LokSound Select	255 255	73457
LokSound Select Steam 3 Driven Axles	ESU LokSound Select	255 255	73413
LokSound Select Steam 4 Driven Axles	ESU LokSound Select	255 255	73414
LokSound Select Steam Geared	ESU LokSound Select	255 255	73415
LokSound Select Steam Articulated	ESU LokSound Select	255 255	73416
LokSound Select Steam Collection	ESU LokSound Select	255 255	73417
ESU digital interior light	ESU Miscellaneous decoders	255 255	16777316
Scale Trains Tender Light	ESU Miscellaneous decoders	208 208	16777345

Roco 10745 old	ESU Roco 10745	0	255	
Roco 10745 v56	ESU Roco 10745	0	255	
SwitchPilot	ESU SwitchPilot	0	254	
SwitchPilot Servo	ESU SwitchPilot	0	254	
SwitchPilot Servo (MA)	ESU SwitchPilot	0	254	
SwitchPilot Servo (2013)	ESU SwitchPilot	177	177	
SwitchPilot V2.0	ESU SwitchPilot	115	115	33554520
SwitchPilot Servo V2.0	ESU SwitchPilot	153	200	33554522

Elektronik and Model Produktion CV8=35

Model Family Min CV7 value Max CV7 value Internal ID

Electroniscript, inc CV8=94

Model Family Min CV7 value Max CV7 value Internal ID

SDD-001 Tortoise driver 1

Fleischmann CV8=155

Model	Family	Min CV7 value	Max CV7 value	Internal ID
685303	Fl decoders RailCom			685303
685403	Fl decoders RailCom			685403
685503	Fl decoders RailCom			685503
685301	Fl decoders Train-Navigation			685301
685401	Fl decoders Train-Navigation			685401
685501	Fl decoders Train-Navigation			685501
687301	Fl decoders Train-Navigation			687301
687401	Fl decoders Train-Navigation			687401
687501	Fl decoders Train-Navigation			687501
FMZ/Selectrix/DCC decoder	Fleischmann Loco Decoders	41	52	
686401	Fleischmann function decoders	10		686401
686403	Fleischmann function decoders	11		686403
Leig Einheit: 2 specific decoders	Fleischmann function decoders	110	110	

DCC Twin mode decoder	Fleischmann Loco Decoders	62	73
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Frateschi Model Trains CV8=128

Model Family Min CV7 value Max CV7 value Internal ID

Fucik CV8=158

Model	Family	Min CV7 value	Max CV7 value	Internal ID
ServoDecoder v5.x	fucik.name	53	55	

GFB Designs CV8=46

Model	Family	Min CV7 value	Max CV7 value	Internal ID
TT300 Turnouts	1	1		

Gaugemaster CV8=65

Model	Family	Min CV7 value	Max CV7 value	Internal ID
DCC25 4 Function	Gaugemaster Opti DCC Loco Decoders	22	22	

GooVerModels CV8=81

Model Family Min CV7 value Max CV7 value Internal ID

HAG Modelleisenbahn AG CV8=82

Model Family Min CV7 value Max CV7 value Internal ID

HONS Model CV8=88

Model Family Min CV7 value Max CV7 value Internal ID

Haber and Koenig Electronics GmbH CV8=111

Model	Family	Min CV7 value	Max CV7 value	Internal ID
NFA	NFA_HFA_DCC	32	47	
HFA	NFA_HFA_DCC	48	63	

Harman DCC CV8=98

Model	Family	Min CV7 value	Max CV7 value	Internal ID
Eight outputs	Harman DIY Accessory Decoders			
Two outputs	Harman DIY Accessory Decoders			
Function1-8	Harman DIY Function Decoders			
Function1-3	Harman DIY Function Decoders			
SC1 version 0.21	Harman Signalist Accessory Decoders	9	10	57377

SC1 version 0.23	Harman Signalist Accessory Decoders	9	10	57379
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Hattons Model Railways CV8=79

Model	Family	Min CV7 value	Max CV7 value	Internal ID
MD4 4 Function	Hattons DCC Loco Decoders	21	21	

Heljan A/S CV8=28

Model	Family	Min CV7 value	Max CV7 value	Internal ID
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Heller Modelbahn CV8=67

Model	Family	Min CV7 value	Max CV7 value	Internal ID
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Hornby CV8=48

Model	Family	Min CV7 value	Max CV7 value	Internal ID
Sapphire-R8245	Sapphire-R8245	10	10	
R8249	Digital	13	13	
DCC-Fitted (Motored)	Digital			
R8215	Digital			
DCC-Fitted Function Only (Unmotored trailers)	Digital			
Hornby TTS Class 08	Hornby TTS Sound Decoder			175
		10	132	
Hornby TTS Class 20	Hornby TTS Sound Decoder			159
		10	132	
Hornby TTS Class 31	Hornby TTS Sound Decoder			161
		10	132	
Hornby TTS Class 37	Hornby TTS Sound Decoder			cl37,147
		10	132	
Hornby TTS Class 40	Hornby TTS Sound Decoder			151
		120	120	
Hornby TTS Class 43 HST (Valenta)	Hornby TTS Sound Decoder			181
		10	132	
Hornby TTS Class 43 HST (MTU)	Hornby TTS Sound Decoder			157
		10	132	
Hornby TTS Class 47	Hornby TTS Sound Decoder			149
		10	132	

Hornby TTS Class 50	Hornby TTS Sound Decoder			189
		10	132	
Hornby TTS Class 60	Hornby TTS Sound Decoder			163
		10	132	
Hornby TTS Class 66	Hornby TTS Sound Decoder			187
		10	132	
Hornby TTS Class 67	Hornby TTS Sound Decoder			153
		10	132	
Hornby TTS BR 4-6-2 Class 8 (Duke of Gloucester)	Hornby TTS Sound Decoder			DoG, 131
		90	99	
Hornby TTS Duke of Gloucester	Hornby TTS Sound Decoder			DoG, 131
		90	99	
Hornby TTS Flying Scotsman	Hornby TTS Sound Decoder			137
		10	120	
Hornby TTS Class A1 and A3 4-6-2	Hornby TTS Sound Decoder			137
		10	120	
Hornby TTS Fowler 2P 4-4-0	Hornby TTS Sound Decoder			2703
		10	120	
Hornby TTS P2 2-8-2	Hornby TTS Sound Decoder			133
		10	132	
Hornby TTS 9F 2-10-0	Hornby TTS Sound Decoder			655
		10	120	
Hornby TTS 4F 0-6-0	Hornby TTS Sound Decoder			145
		10	120	
Hornby TTS A4 4-6-0	Hornby TTS Sound Decoder			135
		10	120	
Hornby TTS A4 4-6-2	Hornby TTS Sound Decoder			135
		10	120	
Hornby TTS 5MT Black 5 4-6-0	Hornby TTS Sound Decoder			171
		10	132	
Hornby TTS Hall Class 4-6-0	Hornby TTS Sound			2699

	Decoder			
Hornby TTS Castle Class 4-6-0	Hornby TTS Sound Decoder	10	120	165
Hornby TTS S15 Class 4-6-0	Hornby TTS Sound Decoder	10	120	179
Hornby TTS Coronation Class 4-6-2	Hornby TTS Sound Decoder	10	120	177
Hornby TTS Peppercorn Class A1 4-6-2 (Tornado)	Hornby TTS Sound Decoder	10	120	129
Hornby TTS Merchant Navy Class 4-6-2	Hornby TTS Sound Decoder	1	1	169
Hornby TTS Rebuilt Merchant Navy Class 4-6-2	Hornby TTS Sound Decoder	10	120	130
Hornby TTS 6000 King Class 4-6-0	Hornby TTS Sound Decoder	10	120	141
Hornby TTS Lord Nelson Class 4-6-2	Hornby TTS Sound Decoder	10	120	183
Hornby TTS J36 Class 0-6-0	Hornby TTS Sound Decoder	10	120	185
Hornby TTS Class 7 (Britannia)	Hornby TTS Sound Decoder	10	120	173
Hornby TTS Vent Van	Hornby TTS Accessory Sound Decoder	10	132	2
Hornby TTS Vent Van 2	Hornby TTS Accessory Sound Decoder	2	120	3
		3	120	