

108	Bitmask for endless manual sound: ONLY operational when CV49 Bit 5 is set. For use with LGB pulse chains Bit 0 for sound 1, Bit 1 for sound 2, Bit 3 for sound 3 also..... Bit 6 for sound 7	0	0 - 255
109	Selection of CV Sets: Bit 0 = 0 \neq CV-Set 1, Bit 0 = 1 \neq CV-Set 2 for various use. Hard Reset will only effect the selected CV-set. CV109 will be unchanged by Hard Reset	0	0 - 1
110	Load dependent sound variation: CV110 = 0 \neq no load dependent sound variation CV110 = 1 \neq high dependency, CV110 = 15 low dependency to loadchanges	4	1 - 15
111	Intensity of acknowledgment pulse (ACK): improves the programming capability, 128 = ca. 50% of max. acknowledgment puls (Motor dependent) 150 = normal	255	0 - 255
112	RAND_1: Selection of aux. sound in idling (see CV131) CV112 = 0 \neq auxillary sound off Bit 0 - 7 \neq Selection of auxillary sound	255	0 - 255
113	RAND_2: Selection of aux. sound in running condition (see CV131) CV113 = 0 \neq auxillary sound off Bit 0 - 7 \neq Selection of auxillary sound	255	0 - 255
116	Shunting function (yard mode): F3 default (CV37) remappable see CV35-42 Bit 0 = 1 \neq CV3 and CV4 is disabled Bit 1 = 1 \neq max. speed will be half going forward and reverse Bit 2 = 1 \neq reverse only 65% max. speed (independent of shunting mode)	0	0 - 255
121	Register 0: Sound level main sound (running sound) 1 = low, 2 = medium, 3 = high, F1, CV121=0 \neq off	3	1 - 3
122	Register 1: Bit 0 - 1 aux. function 1 : Bit 2-7 for number of repetitions, F2, CV122=0 \neq off	96	1 - 255
123	Register 2: Bit 0 - 1 aux. function 2 : Bit 2-7 for number of repetitions, F3, CV123=0 \neq off	96	1 - 255
124	Register 3: Bit 0 - 1 aux. function 3 : Bit 2-7 for number of repetitions, F4, CV124=0 \neq off	96	1 - 255
125	Register 4: Bit 0 - 1 aux. function 4 : Bit 2-7 for number of repetitions, F5, CV125=0 \neq off	96	1 - 255
126	Register 5: Bit 0 - 1 aux. function 5 : Bit 2-7 for number of repetitions, F6, CV126=0 \neq off	96	1 - 255
127	Register 6: Bit 0 - 1 aux. function 6 : Bit 2-7 for number of repetitions, F7, CV127=0 \neq off	96	1 - 255
128	Register 7: Bit 0 - 1 aux. function 7 : Bit 2-7 for number of repetitions, F8, CV128=0 \neq off	96	1 - 255
129	Strong time: Time, when the sound after acceleration & being strongly reduced (unit: 0,5 seconds, valid for sounds in position 00-03 in the filelist)	4	0 - 255
130	Weak time: Time, when the sound after breaking is being slightly reduced (unit: 0,5 seconds, valid for sounds in position 08-11 in the filelist)	4	0 - 255
131	Rand time: Minimum time between two aux.sounds (unit: 0,5 seconds!)	20	0 - 255
132	Stroke Base H: Time between two steam strokes at speed step full speed.	100	0 - 255
133	Stroke Base L: Time between two steam strokes for logical speed step 1 in seconds. 153 = 9,6 sec. Constant K = 1476 / time 1. Exampel: 20 seconds wanted K = 1476 / 20 = 73,8 rounded 74; \neq CV133 = 74, CV134 = 0. 2. Exampel: 3 seconds: K = 1476 / 3 = 492. for K>256 splitting into high and lowbyte is necessary CV134 = K / 256 (not rounded, decimals is simply cut off) 492 / 256 = 1,927875 \neq CV134 = 1 CV133 = K - (CV134 * 256) = 492 - (256 * 1) = 236	153	0 - 255
134	Time between steam strokes: the time between 2 steam strokes at logical speed step 1 in seconds (see CV133) Highbyte is set in CV 134.	0	0 - 255
135	Frequency min: Sound pitch in lower range (128 = default pitch)	64	0 - 255
136	Frequency max: Sound pitch in higher range (128 = default pitch)	128	0 - 255
137	Special CV: CV137 valid for F0 - F12; between. CV33 - CV46 remappable. Bit0 - Function selection 0 = 8 Functions, 1 = 14 Functions (MAN Bit) Bit1 - Zimo - Train numberimpuls: 0 = off; 1 = on Bit2 = 1: strong/normal/weak switched with F1, only if CV110 is active, dimmable over CV54 Bit3 = 1: strong/normal/weak switched with F2, only if CV110 is active, dimmable over CV54 Bit4 = 1: Zimo speed control (HLU, MX9) 0 = off, 1 = on	0	0 - 255
138	Break time (HLU): Break delay for HLU section (For Zimo systems only)	3	0 - 255
139	Shortcircuit-threshold 1: direct cut-off at overload of functional outputs	35	0 - 255
140	Shortcircuit -threshold 2: fast cut-off at overload of functional outputs	30	0 - 255
141	Shortcircuit -threshold 3: slow cut-off at overload of functional outputs	25	0 - 255
142	Shortcircuit-threshold 1: direct cut-off at overload of motor output	150	0 - 255
143	Shortcircuit -threshold 2: fast cut-off at overload of motor output	130	0 - 255
144	Shortcircuit -threshold 3: slow cut-off at overload of motor output	120	0 - 255

Table 2 CV Table

Safety disclaimer

Not suitable for children under three years of age because of the danger of their swallowing the small constituent pieces. Improper use can result injury from functionally necessary points an edges. For use only in dry areas. We reserve the right to make changes in line with technical progress, product maintenance or changes in production methods. We accept no responsibility for error that may occur of similar reason. We accept no responsibility for direct or indirect damage resulting from improper use, non-observance of instructions, use of transformers or other electrical equipment that is not authorised for use with model railways or transformers and other electrical equipment that has been altered, adapted or are faulty. Nor can we accept we accept responsibility for damage that results from unsupervised adjustments to equipment or from acts of violence or from overheating or from effects of moisture etc. Furthermore in all such cases the guarantee becomes invalid

The SL74 is delivered mounted in tubing. Fit the decoder using double-sided adhesive tape, **there should be no contact between metal parts such as locomotive chassis or locomotive housing and the electronic of the decoder.** Insulate all metalparts with insulation tape so that shortcircuit can be avoided. Never cover the decoder with insulation tape, that will reduce the aircirculation around the decoder wich could harm the decoder. Never touch the decoder when it is under power, this may damage both the software and hardware of the decoder.

Grillparzergasse 5
A-2700 Wiener Neustadt
Tel. Fax : +43 2622 82086
Tel.: +43 664 4719963
http://www.tran.at e-mail: info@tran.at



User manual

Combi-decoder SL74

for N and TT-scale



Size 24/9/3,5mm (L/B/H)

Picture 1 the Decoder



CT-Elektronik, www.tran.at

