ESU

General project information

Project-Name:

VT98

Version-No.:

5

Project-No.:

11422

Item-No.:

Order-No.:

Customer:

Roco Modelleisenbahn GmbH
Plainbachstrasse 4
A-5101 Bergheim

Contact person:

Christian Bauer

Tel.-No.:

Email:

Project start:

07-05-16

Project status:

Active

Date of approval:

OEM-Manual required ☐

Sound recording documentation

Origin of the sound:

VT98 Recording Ulm

Recording date:

Comments:

ESU

Decoder information

Decodertype:

LoksoundV3.5 16MBit

Firmware-Version:

0.0.5969

Loudspeaker:

Configuration:

Decoder Setup

Address:

3

max. speed:

30

Protocols:

DC	☒	Motorola	☒
AC	☒	mfx	☐
DCC	☒	Selectrix	☐

Break sections:

DCC	☒
Märklin	☒

Prime mover sound description:

diesel mechenical sound, switches audible

Function keys:

F0	Light on/off
F1	Sound on/off
F2	Airhorn
F3	Door
F4	Conductor's Signal
F5	Announcement
F6	Shunting Mode
F7	Brake Release
F8	Diesel Notch Up
F9	Diesel Notch Down
F10	Airhorn short
F11	
F12	
F13	
F14	
F15	
F16	
F17	
F18	
F19	
F20	

Special features:

CV-Values

CV	DEC	BIN	HEX	CV	DEC	BIN	HEX	CV	DEC	BIN	HEX
CV 001 =	003	00000011	0x03	CV 114 =	015	00001111	0x0F	CV 180 =	000	00000000	0x00
CV 002 =	002	00000010	0x02	CV 115 =	015	00001111	0x0F	CV 181 =	003	00000011	0x03
CV 003 =	010	00001010	0x0A	CV 116 =	015	00001111	0x0F	CV 182 =	000	00000000	0x00
CV 004 =	006	00000110	0x06	CV 117 =	000	00000000	0x00	CV 183 =	000	00000000	0x00
CV 005 =	030	00011110	0x1E	CV 118 =	000	00000000	0x00	CV 184 =	000	00000000	0x00
CV 006 =	013	00001101	0x0D	CV 121 =	064	01000000	0x40	CV 185 =	006	00000110	0x06
CV 013 =	001	00000001	0x01	CV 122 =	064	01000000	0x40	CV 186 =	000	00000000	0x00
CV 014 =	003	00000011	0x03	CV 123 =	064	01000000	0x40	CV 187 =	000	00000000	0x00
CV 017 =	192	11000000	0xC0	CV 124 =	015	00001111	0x0F	CV 188 =	006	00000110	0x06
CV 018 =	000	00000000	0x00	CV 125 =	020	00010100	0x14	CV 189 =	064	01000000	0x40
CV 019 =	000	00000000	0x00	CV 126 =	035	00100011	0x23	CV 190 =	000	00000000	0x00
CV 021 =	000	00000000	0x00	CV 127 =	030	00011110	0x1E	CV 191 =	000	00000000	0x00
CV 022 =	003	00000011	0x03	CV 128 =	070	01000110	0x46	CV 192 =	064	01000000	0x40
CV 029 =	022	00010110	0x16	CV 129 =	000	00000000	0x00	CV 193 =	000	00000000	0x00
CV 049 =	019	00010011	0x13	CV 130 =	000	00000000	0x00	CV 194 =	000	00000000	0x00
CV 050 =	003	00000011	0x03	CV 131 =	000	00000000	0x00	CV 195 =	128	10000000	0x80
CV 051 =	007	00000111	0x07	CV 132 =	000	00000000	0x00	CV 196 =	000	00000000	0x00
CV 052 =	000	00000000	0x00	CV 133 =	000	00000000	0x00	CV 197 =	000	00000000	0x00
CV 053 =	030	00011110	0x1E	CV 134 =	000	00000000	0x00	CV 198 =	128	10000000	0x80
CV 054 =	025	00011001	0x19	CV 135 =	000	00000000	0x00	CV 199 =	000	00000000	0x00
CV 055 =	020	00010100	0x14	CV 136 =	000	00000000	0x00	CV 200 =	000	00000000	0x00
CV 056 =	064	01000000	0x40	CV 137 =	000	00000000	0x00	CV 201 =	000	00000000	0x00
CV 057 =	001	00000001	0x01	CV 138 =	000	00000000	0x00	CV 202 =	000	00000000	0x00
CV 058 =	000	00000000	0x00	CV 139 =	000	00000000	0x00	CV 203 =	005	00000101	0x05
CV 059 =	032	00100000	0x20	CV 140 =	000	00000000	0x00	CV 204 =	000	00000000	0x00
CV 060 =	040	00101000	0x28	CV 141 =	001	00000001	0x01	CV 205 =	000	00000000	0x00
CV 061 =	040	00101000	0x28	CV 142 =	000	00000000	0x00	CV 206 =	005	00000101	0x05
CV 062 =	064	01000000	0x40	CV 143 =	000	00000000	0x00	CV 207 =	000	00000000	0x00
CV 063 =	064	01000000	0x40	CV 144 =	002	00000010	0x02	CV 208 =	000	00000000	0x00
CV 064 =	004	00000100	0x04	CV 145 =	000	00000000	0x00	CV 209 =	000	00000000	0x00
CV 066 =	000	00000000	0x00	CV 146 =	000	00000000	0x00	CV 210 =	000	00000000	0x00
CV 067 =	009	00001001	0x09	CV 147 =	000	00000000	0x00	CV 211 =	000	00000000	0x00
CV 068 =	018	00010010	0x12	CV 148 =	004	00000100	0x04	CV 212 =	000	00000000	0x00
CV 069 =	027	00011011	0x1B	CV 149 =	000	00000000	0x00	CV 213 =	000	00000000	0x00
CV 070 =	036	00100100	0x24	CV 150 =	000	00000000	0x00	CV 214 =	000	00000000	0x00
CV 071 =	045	00101101	0x2D	CV 151 =	004	00000100	0x04	CV 215 =	000	00000000	0x00
CV 072 =	054	00110110	0x36	CV 152 =	000	00000000	0x00	CV 216 =	000	00000000	0x00
CV 073 =	063	00111111	0x3F	CV 153 =	000	00000000	0x00	CV 217 =	000	00000000	0x00
CV 074 =	072	01001000	0x48	CV 154 =	032	00100000	0x20	CV 218 =	000	00000000	0x00
CV 075 =	081	01010001	0x51	CV 155 =	001	00000001	0x01	CV 219 =	000	00000000	0x00
CV 076 =	091	01011011	0x5B	CV 156 =	000	00000000	0x00	CV 220 =	000	00000000	0x00
CV 077 =	100	01100100	0x64	CV 157 =	032	00100000	0x20	CV 221 =	000	00000000	0x00
CV 078 =	109	01101101	0x6D	CV 158 =	001	00000001	0x01	CV 222 =	000	00000000	0x00
CV 079 =	118	01110110	0x76	CV 159 =	000	00000000	0x00	CV 223 =	000	00000000	0x00
CV 080 =	127	01111111	0x7F	CV 160 =	000	00000000	0x00	CV 224 =	000	00000000	0x00
CV 081 =	136	10001000	0x88	CV 161 =	002	00000010	0x02	CV 225 =	000	00000000	0x00
CV 082 =	145	10010001	0x91	CV 162 =	000	00000000	0x00	CV 226 =	000	00000000	0x00
CV 083 =	154	10011010	0x9A	CV 163 =	000	00000000	0x00	CV 227 =	000	00000000	0x00
CV 084 =	163	10100011	0xA3	CV 164 =	002	00000010	0x02	CV 228 =	000	00000000	0x00
CV 085 =	173	10101101	0xAD	CV 165 =	000	00000000	0x00	CV 229 =	000	00000000	0x00
CV 086 =	182	10110110	0xB6	CV 166 =	000	00000000	0x00	CV 230 =	000	00000000	0x00
CV 087 =	191	10111111	0xBF	CV 167 =	003	00000011	0x03	CV 231 =	000	00000000	0x00
CV 088 =	200	11001000	0xC8	CV 168 =	000	00000000	0x00	CV 232 =	000	00000000	0x00
CV 089 =	209	11010001	0xD1	CV 169 =	000	00000000	0x00	CV 233 =	000	00000000	0x00
CV 090 =	218	11011010	0xDA	CV 170 =	003	00000011	0x03	CV 234 =	000	00000000	0x00
CV 091 =	227	11100011	0xE3	CV 171 =	000	00000000	0x00	CV 235 =	000	00000000	0x00
CV 092 =	236	11101100	0xEC	CV 172 =	000	00000000	0x00	CV 236 =	000	00000000	0x00
CV 093 =	245	11110101	0xF5	CV 173 =	004	00000100	0x04	CV 249 =	000	00000000	0x00
CV 094 =	255	11111111	0xFF	CV 174 =	000	00000000	0x00	CV 250 =	000	00000000	0x00
CV 095 =	000	00000000	0x00	CV 175 =	000	00000000	0x00	CV 251 =	000	00000000	0x00
CV 105 =	000	00000000	0x00	CV 176 =	004	00000100	0x04	CV 252 =	000	00000000	0x00
CV 106 =	000	00000000	0x00	CV 177 =	000	00000000	0x00	CV 253 =	000	00000000	0x00
CV 112 =	033	00100001	0x21	CV 178 =	003	00000011	0x03	CV 254 =	000	00000000	0x00
CV 113 =	015	00001111	0x0F	CV 179 =	000	00000000	0x00	CV 255 =	000	00000000	0x00

Revision

Date issued: Sent by:

07-09-12   email

Customer's feedback date:

07-09-11

Customer's feedback (change requests):

Changes in comparison to the former version:

als Vorschlag verstärkter Fahrsound von Version 1 mit verlängerten Übergängen eingefügt

Approval note added ☐

Production file generated by:

Date of generating:

Manual generated by:

Manual generated from: