ESU

General project information

Project-Name:

BR 52

Version-No.:

6

Project-No.:

11426

Item-No.:

Order-No.:

Customer:

Roco Modelleisenbahn GmbH
Plainbachstrasse 4
A-5101 Bergheim

Contact person:

Christian Bauer

Tel.-No.:

Email:

Project start:

May 2008

Project status:

Active

Date of approval:

OEM-Manual required ☐

Sound recording documentation

Origin of the sound:

ESU Recordings

Recording date:

Comments:

ESU

Decoder information

Decodertype:

| LoksoundV3.5 16MBit |

Loudspeaker:

unknown

Configuration:

unknown

Firmware-Version:

| 0.0.6066 |

Decoder Setup

Address:

| 3 |

max. speed:

| 28 |

Protocols:

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

Break sections:

| DCC | ☒ |
| Märklin | ☒ |

Prime mover sound description:

steam locomotive

Function keys:

F0	Light on/off
F1	Sound on/off
F2	Whistle
F3	Coupler
F4	Aux 1 (Smoke Generator)
F5	Injector
F6	Shunting Mode
F7	Airpump
F8	Short whistle signal
F9	Coal Shoveling
F10	Bell
F11	Brake release
F12	Blow Out
F13	
F14	
F15	
F16	
F17	
F18	
F19	
F20	

Special features:

reverse moving is prototypically slower than forward driving (configuration here: reverse 25% slower than forward)

!!! Musterloks haben mechanisches Problem: an einer Stelle ist der mechanische Widerstand des Radgestänges zu groß und hält den flüssigen Lauf kurzzeitig auf. CV-Einstellungen können dies nur eingeschränkt kompenieseren !!!

CV-Values

CV	DEC	BIN	HEX	CV	DEC	BIN	HEX	CV	DEC	BIN	HEX
CV 001 = 003		00000011	0x03	CV 114 = 127		01111111	0x7F	CV 178 = 003		00000011	0x03
CV 002 = 003		00000011	0x03	CV 115 = 015		00001111	0x0F	CV 179 = 000		00000000	0x00
CV 003 = 014		00001110	0x0E	CV 116 = 015		00001111	0x0F	CV 180 = 000		00000000	0x00
CV 004 = 007		00000111	0x07	CV 117 = 015		00001111	0x0F	CV 181 = 003		00000011	0x03
CV 005 = 028		00011100	0x1C	CV 118 = 015		00001111	0x0F	CV 182 = 000		00000000	0x00
CV 006 = 014		00001110	0x0E	CV 119 = 000		00000000	0x00	CV 183 = 000		00000000	0x00
CV 013 = 009		00001001	0x09	CV 120 = 000		00000000	0x00	CV 184 = 000		00000000	0x00
CV 014 = 003		00000011	0x03	CV 121 = 064		01000000	0x40	CV 185 = 009		00001001	0x09
CV 017 = 192		11000000	0xC0	CV 122 = 064		01000000	0x40	CV 186 = 000		00000000	0x00
CV 018 = 128		10000000	0x80	CV 123 = 064		01000000	0x40	CV 187 = 000		00000000	0x00
CV 019 = 000		00000000	0x00	CV 124 = 015		00001111	0x0F	CV 188 = 009		00001001	0x09
CV 021 = 000		00000000	0x00	CV 125 = 020		00010100	0x14	CV 189 = 000		00000000	0x00
CV 022 = 003		00000011	0x03	CV 126 = 054		00110110	0x36	CV 190 = 000		00000000	0x00
CV 029 = 006		00000110	0x06	CV 127 = 030		00011110	0x1E	CV 191 = 005		00000101	0x05
CV 049 = 019		00010011	0x13	CV 128 = 075		01001011	0x4B	CV 192 = 000		00000000	0x00
CV 050 = 000		00000000	0x00	CV 129 = 000		00000000	0x00	CV 193 = 000		00000000	0x00
CV 051 = 003		00000011	0x03	CV 130 = 000		00000000	0x00	CV 194 = 005		00000101	0x05
CV 052 = 000		00000000	0x00	CV 131 = 000		00000000	0x00	CV 195 = 000		00000000	0x00
CV 053 = 056		00111000	0x38	CV 132 = 000		00000000	0x00	CV 196 = 000		00000000	0x00
CV 054 = 030		00011110	0x1E	CV 133 = 000		00000000	0x00	CV 197 = 007		00000111	0x07
CV 055 = 020		00010100	0x14	CV 134 = 000		00000000	0x00	CV 198 = 000		00000000	0x00
CV 056 = 064		01000000	0x40	CV 135 = 000		00000000	0x00	CV 199 = 000		00000000	0x00
CV 057 = 040		00101000	0x28	CV 136 = 000		00000000	0x00	CV 200 = 007		00000111	0x07
CV 058 = 039		00100111	0x27	CV 137 = 013		00001101	0x0D	CV 201 = 000		00000000	0x00
CV 059 = 032		00100000	0x20	CV 138 = 000		00000000	0x00	CV 202 = 000		00000000	0x00
CV 060 = 040		00101000	0x28	CV 139 = 000		00000000	0x00	CV 203 = 002		00000010	0x02
CV 061 = 045		00101101	0x2D	CV 140 = 013		00001101	0x0D	CV 204 = 000		00000000	0x00
CV 062 = 064		01000000	0x40	CV 141 = 001		00000001	0x01	CV 205 = 000		00000000	0x00
CV 063 = 064		01000000	0x40	CV 142 = 000		00000000	0x00	CV 206 = 002		00000010	0x02
CV 064 = 008		00001000	0x08	CV 143 = 006		00000110	0x06	CV 207 = 000		00000000	0x00
CV 066 = 128		10000000	0x80	CV 144 = 002		00000010	0x02	CV 208 = 000		00000000	0x00
CV 067 = 009		00001001	0x09	CV 145 = 000		00000000	0x00	CV 209 = 013		00001101	0x0D
CV 068 = 018		00010010	0x12	CV 146 = 006		00000110	0x06	CV 210 = 000		00000000	0x00
CV 069 = 027		00011011	0x1B	CV 147 = 000		00000000	0x00	CV 211 = 000		00000000	0x00
CV 070 = 036		00100100	0x24	CV 148 = 004		00000100	0x04	CV 212 = 013		00001101	0x0D
CV 071 = 045		00101101	0x2D	CV 149 = 011		00001011	0x0B	CV 213 = 000		00000000	0x00
CV 072 = 054		00110110	0x36	CV 150 = 000		00000000	0x00	CV 214 = 000		00000000	0x00
CV 073 = 063		00111111	0x3F	CV 151 = 004		00000100	0x04	CV 215 = 008		00001000	0x08
CV 074 = 072		01001000	0x48	CV 152 = 011		00001011	0x0B	CV 216 = 000		00000000	0x00
CV 075 = 081		01010001	0x51	CV 153 = 000		00000000	0x00	CV 217 = 000		00000000	0x00
CV 076 = 091		01011011	0x5B	CV 154 = 032		00100000	0x20	CV 218 = 008		00001000	0x08
CV 077 = 100		01100100	0x64	CV 155 = 001		00000001	0x01	CV 219 = 000		00000000	0x00
CV 078 = 109		01101101	0x6D	CV 156 = 000		00000000	0x00	CV 220 = 000		00000000	0x00
CV 079 = 118		01110110	0x76	CV 157 = 032		00100000	0x20	CV 221 = 000		00000000	0x00
CV 080 = 127		01111111	0x7F	CV 158 = 001		00000001	0x01	CV 222 = 000		00000000	0x00
CV 081 = 136		10001000	0x88	CV 159 = 000		00000000	0x00	CV 223 = 000		00000000	0x00
CV 082 = 145		10010001	0x91	CV 160 = 000		00000000	0x00	CV 224 = 000		00000000	0x00
CV 083 = 154		10011010	0x9A	CV 161 = 003		00000011	0x03	CV 225 = 000		00000000	0x00
CV 084 = 163		10100011	0xA3	CV 162 = 000		00000000	0x00	CV 226 = 000		00000000	0x00
CV 085 = 173		10101101	0xAD	CV 163 = 000		00000000	0x00	CV 227 = 000		00000000	0x00
CV 086 = 182		10110110	0xB6	CV 164 = 003		00000011	0x03	CV 228 = 000		00000000	0x00
CV 087 = 191		10111111	0xBF	CV 165 = 004		00000100	0x04	CV 229 = 000		00000000	0x00
CV 088 = 200		11001000	0xC8	CV 166 = 000		00000000	0x00	CV 230 = 000		00000000	0x00
CV 089 = 209		11010001	0xD1	CV 167 = 000		00000000	0x00	CV 231 = 000		00000000	0x00
CV 090 = 218		11011010	0xDA	CV 168 = 004		00000100	0x04	CV 232 = 000		00000000	0x00
CV 091 = 227		11100011	0xE3	CV 169 = 000		00000000	0x00	CV 233 = 000		00000000	0x00
CV 092 = 236		11101100	0xEC	CV 170 = 000		00000000	0x00	CV 234 = 000		00000000	0x00
CV 093 = 245		11110101	0xF5	CV 171 = 000		00000000	0x00	CV 235 = 000		00000000	0x00
CV 094 = 255		11111111	0xFF	CV 172 = 000		00000000	0x00	CV 236 = 000		00000000	0x00
CV 095 = 128		10000000	0x80	CV 173 = 004		00000100	0x04	CV 249 = 000		00000000	0x00
CV 105 = 000		00000000	0x00	CV 174 = 000		00000000	0x00	CV 250 = 000		00000000	0x00
CV 106 = 000		00000000	0x00	CV 175 = 000		00000000	0x00	CV 251 = 000		00000000	0x00
CV 112 = 033		00100001	0x21	CV 176 = 004		00000100	0x04	CV 252 = 000		00000000	0x00
CV 113 = 127		01111111	0x7F	CV 177 = 000		00000000	0x00	CV 253 = 000		00000000	0x00

Revision

Date issued:	Sent by:	Customer's feedback date:
08-10-16	email	08-10-10

Customer's feedback (change requests):

Von: h.kammerhofer@roco.cc [mailto:h.kammerhofer@roco.cc]
Gesendet: Mittwoch, 15. Oktober 2008 16:21
An: Jürgen Lindner
Cc: Andreas Koch; Christian Bauer; r.alber@roco.cc; r.reindl@roco.cc
Betreff: Sound 52 CV-Werte

Sehr geehrter Herr Lindner !

Nach längeren Tests haben wir die folgenden Einstellungen gefunden :
CV 57 - Wert 40
CV 58 - Wert 39

Ich hoffe, dass unsere Musterlok nicht allzu sehr von der Serie abweicht und die Werte dann auch passen. Damit sollte das Thema 52er Sound nun abgeschlossen sein.

Mit freundlichen Grüßen

      Harald Kammerhofer

Harald Kammerhofer
Produktentwicklung

Changes in comparison to the former version:

CVs 57 und 58 geändert,
Analogsound ausgeschaltet

Approval note added ☐

Production file generated by:	Date of generating:

Manual generated by:	Manual generated from: