ESU

General project information

Project-Name:

Roco RENFE E1000

Version-No.:

3

Project-No.:

11428

Item-No.:

Order-No.:

Customer:

Roco Modelleisenbahn GmbH
Plainbachstrasse 4
A-5101 Bergheim

Contact person:

Klaus Bammer

Tel.-No.:

Email:

Project start:

September 2008

Project status:

Active

Date of approval:

OEM-Manual required ☐

Sound recording documentation

Origin of the sound:

Recordings sent by Roco

Recording date:

Comments:

ESU

Decoder information

Decodertype:

| LoksoundV3.5 16MBit |

Loudspeaker:

| 20mm, 100Ohm |

Configuration:

| speaker direction downwards, enclosure |

Firmware-Version:

| 0.0.6068 |

Decoder Setup

Address:

| 3 |

max. speed:

| 64 |

Protocols:

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

Break sections:

DCC ☒
Märklin ☒

Prime mover sound description:

| E-Lok-Sound, Lüfter-Geräusch ständig präsent |

Function keys:

F0	Licht an/aus
F1	Sound an/aus
F2	Horn 1
F3	Kuppeln/Entkuppeln
F4	Kompressor
F5	Sand
F6	Rangiergang
F7	Signal 1
F8	Signal 2
F9	Pantograph
F10	Vakuum-Pumpe (Sound Variante 1)
F11	Bremsenbedienung hörbar im Führerstand
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 178 = 003		00000011	0x03
CV 002 = 003		00000011	0x03	CV 115 = 015		00001111	0x0F	CV 179 = 000		00000000	0x00
CV 003 = 009		00001001	0x09	CV 116 = 015		00001111	0x0F	CV 180 = 000		00000000	0x00
CV 004 = 008		00001000	0x08	CV 117 = 015		00001111	0x0F	CV 181 = 003		00000011	0x03
CV 005 = 064		01000000	0x40	CV 118 = 015		00001111	0x0F	CV 182 = 000		00000000	0x00
CV 006 = 022		00010110	0x16	CV 119 = 000		00000000	0x00	CV 183 = 000		00000000	0x00
CV 013 = 000		00000000	0x00	CV 120 = 000		00000000	0x00	CV 184 = 000		00000000	0x00
CV 014 = 003		00000011	0x03	CV 121 = 064		01000000	0x40	CV 185 = 005		00000101	0x05
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 = 005		00000101	0x05
CV 021 = 000		00000000	0x00	CV 125 = 020		00010100	0x14	CV 189 = 000		00000000	0x00
CV 022 = 003		00000011	0x03	CV 126 = 055		00110111	0x37	CV 190 = 000		00000000	0x00
CV 029 = 006		00000110	0x06	CV 127 = 030		00011110	0x1E	CV 191 = 006		00000110	0x06
CV 049 = 019		00010011	0x13	CV 128 = 065		01000001	0x41	CV 192 = 000		00000000	0x00
CV 050 = 003		00000011	0x03	CV 129 = 000		00000000	0x00	CV 193 = 000		00000000	0x00
CV 051 = 003		00000011	0x03	CV 130 = 000		00000000	0x00	CV 194 = 006		00000110	0x06
CV 052 = 000		00000000	0x00	CV 131 = 000		00000000	0x00	CV 195 = 000		00000000	0x00
CV 053 = 050		00110010	0x32	CV 132 = 000		00000000	0x00	CV 196 = 000		00000000	0x00
CV 054 = 032		00100000	0x20	CV 133 = 000		00000000	0x00	CV 197 = 007		00000111	0x07
CV 055 = 024		00011000	0x18	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 = 000		00000000	0x00	CV 136 = 000		00000000	0x00	CV 200 = 007		00000111	0x07
CV 058 = 001		00000001	0x01	CV 137 = 011		00001011	0x0B	CV 201 = 000		00000000	0x00
CV 059 = 032		00100000	0x20	CV 138 = 000		00000000	0x00	CV 202 = 000		00000000	0x00
CV 060 = 048		00110000	0x30	CV 139 = 000		00000000	0x00	CV 203 = 008		00001000	0x08
CV 061 = 015		00001111	0x0F	CV 140 = 011		00001011	0x0B	CV 204 = 000		00000000	0x00
CV 062 = 030		00011110	0x1E	CV 141 = 001		00000001	0x01	CV 205 = 000		00000000	0x00
CV 063 = 064		01000000	0x40	CV 142 = 000		00000000	0x00	CV 206 = 008		00001000	0x08
CV 064 = 007		00000111	0x07	CV 143 = 000		00000000	0x00	CV 207 = 000		00000000	0x00
CV 066 = 000		00000000	0x00	CV 144 = 002		00000010	0x02	CV 208 = 000		00000000	0x00
CV 067 = 009		00001001	0x09	CV 145 = 000		00000000	0x00	CV 209 = 010		00001010	0x0A
CV 068 = 018		00010010	0x12	CV 146 = 000		00000000	0x00	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 = 020		00010100	0x14	CV 212 = 010		00001010	0x0A
CV 071 = 045		00101101	0x2D	CV 149 = 000		00000000	0x00	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 = 020		00010100	0x14	CV 215 = 000		00000000	0x00
CV 074 = 072		01001000	0x48	CV 152 = 000		00000000	0x00	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 = 000		00000000	0x00
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 = 002		00000010	0x02	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 = 002		00000010	0x02	CV 228 = 000		00000000	0x00
CV 087 = 191		10111111	0xBF	CV 165 = 000		00000000	0x00	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 = 003		00000011	0x03	CV 231 = 000		00000000	0x00
CV 090 = 218		11011010	0xDA	CV 168 = 000		00000000	0x00	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 = 003		00000011	0x03	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 = 000		00000000	0x00	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 = 015		00001111	0x0F	CV 177 = 000		00000000	0x00	CV 253 = 000		00000000	0x00

Revision

Date issued:	Sent by:	Customer's feedback date:
08-11-07	email	

Customer's feedback (change requests):

Von: k.bammer@roco.cc [mailto:k.bammer@roco.cc]
Gesendet: Donnerstag, 6. November 2008 12:22
An: Jürgen Lindner; Andreas Koch; reversio@reversio.de
Cc: j.wadislohner@roco.cc; r.alber@roco.cc; r.reindl@roco.cc; o.leditzky@roco.cc; k.holzer@roco.cc
Betreff: FREIGABE Sound Roco 63811 RENFE E-Lok E1000 Ripoll

Sehr geehrter Herr Lindner.
sehr geehrter Herr Koch,

nach Anhörung des überarbeiteteen Sounds für unser E-Lok-Projekit 63811 RENFE E-Lok E1000 "Ripoll" können wir zu unserer Zufriedenheit und mit der Bitte um Berücksichtung zweier Punkte die Freigabe erteilen.

Anmerkung 1: F11 (Vakuumpumpe - Sound-Variante 2) ersatzlos streichen!

Anmerkung 2: Im Analogbetrieb darf keine Soundfunktion möglich sein!

Changes in comparison to the former version:

Vakuum-Pumpe 2 gestrichen
Analogsound war bereits in V2 ausgeschaltet.

Approval note added ☐

Production file generated by:	Date of generating:

Manual generated by:	Manual generated from: