Sound Project Overview 11427-Roco-BR22 -S

General project information			
Project-Name:		Version-No.:	Project-No.:
BR 221		2	11427
Item-No.:		Order-No.:	
Customer:	Contact		
Roco Modelleisenbahn GmbH	Contact	person.	
Plainbachstrasse 4 A-5101 Bergheim	TelNo	ı.:	
	Email:		
Project start:	Project status:	Date of approval:	
October 2008	Active		
OEM-Manual required			
Sound recording documentation	on		
Sound recording documentation	on		
Origin of the sound:	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound:	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:
Origin of the sound: ESU Recordings	on		Recording date:

Sound Project Overview 11427-Roco-BR22 -S

Decode	r information					
Decodert	vne.	Loudspeaker:			Configuration:	
	dV3.5 16MBit	20mm, 100 Oh	nms		1 speaker down	wards
LOKSOUTI	IUV3.5 TOWIDIL	20111111, 100 01	11113		Speaker down	varus
Firmware	Varcion:					
0.0.6068	3					
Decode	r Setup					
Address:	max. sp	and:	Protocols:		Pi	reak sections:
		Jeed.				
3	35		DC ⊠ AC ⊠	Motorola ∑ mfx □		OCC ⊠ Märklin ⊠
			DCC 🗵	Selectrix		_
ъ.						
	over sound descri			1166		
diesel hy	ydraulic locomot	tive; 2 sound ste	ps for mor	e differentiate	d sound	
Function	keys:					
FO I	Light on/off					
	Sound on/off					
	Airhorn Coupler					
	Compressor					
F5 (Conductor's Sig	nal				
F6 S	Shunting Mode					
F7 [Brake Release					
	Sanding Announcement					
	Airhorn Short					
	Diesel Notch Up)				
F12 [Diesel Notch Do	wn				
F13						
F14 F15						
F16						
F17						
F18						
F19						
F20						
Special fo	Special features:					
Special reaction.						

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 = 010 00001010 0x0A CV 004 = 010 00001010 0x0A	CV 116 = 015 00001111 0x0F CV 117 = 000 00000000 0x00	CV 180 = 000 00000000 0x00 CV 181 = 003 00000011 0x03
CV 005 = 035 00100011 0x23	CV 117 = 000 00000000 0x00	CV 181 = 003 00000011 0x03 CV 182 = 000 00000000 0x00
CV 006 = 019 00010011 0x13	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 = 007 00000111 0x07
CV 017 = 192 11000000 0xC0 CV 018 = 000 00000000 0x00	CV 122 = 064 01000000 0x40 CV 123 = 064 01000000 0x40	CV 186 = 000 00000000 0x00 CV 187 = 000 00000000 0x00
CV 018 = 000 00000000 0x00	CV 123 = 004 01000000 0x40 CV 124 = 015 00001111 0x0F	CV 187 = 000 00000000 0x00 CV 188 = 007 00000111 0x07
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 = 008 00001000 0x08
CV 049 = 019 00010011 0x13 CV 050 = 003 00000011 0x03	CV 128 = 065 01000001 0x41 CV 129 = 000 00000000 0x00	CV 192 = 000 00000000 0x00 CV 193 = 000 00000000 0x00
CV 050 = 003 00000011 0x08	CV 130 = 000 00000000 0x00	CV 194 = 008 00001000 0x08
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 = 009 00001001 0x09
CV 055 = 024 00011000 0x18 CV 056 = 064 01000000 0x40	CV 134 = 000 00000000 0x00 CV 135 = 000 00000000 0x00	CV 198 = 000 00000000 0x00 CV 199 = 000 00000000 0x00
CV 056 = 064 01000000 0x40	CV 135 = 000 0000000 0x00 CV 136 = 000 00000000 0x00	CV 200 = 009 00001001 0x09
CV 058 = 000 00000000 0x00	CV 137 = 007 00000111 0x07	CV 201 = 000 00000000 0x00
CV 059 = 032 00100000 0x20	CV 138 = 000 00000000 0x00	CV 202 = 000 00000000 0x00
CV 060 = 055 00110111 0x37	CV 139 = 000 00000000 0x00	CV 203 = 010 00001010 0x0A
CV 061 = 032 00100000 0x20 CV 062 = 064 01000000 0x40	CV 140 = 007 00000111 0x07 CV 141 = 001 00000001 0x01	CV 204 = 000 00000000 0x00 CV 205 = 000 00000000 0x00
CV 062 = 064 01000000 0x40	CV 141 = 001 00000001 0x01 CV 142 = 000 00000000 0x00	CV 206 = 010 00001010 0x0A
CV 064 = 007 00000111 0x07	CV 143 = 000 00000000 0x00	CV 207 = 064 01000000 0x40
CV 066 = 000 00000000 0x00	CV 144 = 002 00000010 0x02	CV 208 = 000 00000000 0x00
CV 067 = 003 00000011 0x03	CV 145 = 000 00000000 0x00	CV 209 = 000 00000000 0x00
CV 068 = 005 00000101 0x05 CV 069 = 008 00001000 0x08	CV 146 = 000 00000000 0x00 CV 147 = 000 00000000 0x00	CV 210 = 064 01000000 0x40 CV 211 = 000 00000000 0x00
CV 070 = 011 00001011 0x0B	CV 147 = 000 00000000 0x00 CV 148 = 004 00000100 0x04	CV 211 = 000 00000000 0x00
CV 071 = 015 00001111 0x0F	CV 149 = 000 00000000 0x00	CV 213 = 128 10000000 0x80
CV 072 = 018 00010010 0x12	CV 150 = 000 00000000 0x00	CV 214 = 000 00000000 0x00
CV 073 = 022 00010110 0x16	CV 151 = 004 00000100 0x04	CV 215 = 000 00000000 0x00
CV 074 = 026 00011010 0x1A CV 075 = 030 00011110 0x1E	CV 152 = 000 00000000 0x00 CV 153 = 000 00000000 0x00	CV 216 = 128 10000000 0x80 CV 217 = 000 00000000 0x00
CV 075 = 030 00011110 0X1E CV 076 = 034 00100010 0x22	CV 153 = 000 0000000 0x00 CV 154 = 032 00100000 0x20	CV 217 = 000 00000000 0x00
CV 077 = 040 00101000 0x28	CV 155 = 001 00000001 0x01	CV 219 = 000 00000000 0x00
CV 078 = 046 00101110 0x2E	CV 156 = 000 00000000 0x00	CV 220 = 000 00000000 0x00
CV 079 = 052 00110100 0x34	CV 157 = 032 00100000 0x20 CV 158 = 001 00000001 0x01	CV 221 = 000 00000000 0x00
CV 080 = 058 00111010 0x3A CV 081 = 066 01000010 0x42	CV 158 = 001 00000001 0x01 CV 159 = 000 00000000 0x00	CV 222 = 000 00000000 0x00 CV 223 = 000 00000000 0x00
CV 081 = 000 01000010 0x42 CV 082 = 074 01001010 0x4A	CV 160 = 000 00000000 0x00	CV 224 = 000 00000000 0x00
CV 083 = 082 01010010 0x52	CV 161 = 005 00000101 0x05	CV 225 = 000 00000000 0x00
CV 084 = 090 01011010 0x5A	CV 162 = 000 00000000 0x00	CV 226 = 000 00000000 0x00
CV 085 = 100 01100100 0x64	CV 163 = 000 00000000 0x00	CV 227 = 000 00000000 0x00
CV 086 = 110 01101110 0x6E CV 087 = 124 01111100 0x7C	CV 164 = 005 00000101 0x05 CV 165 = 000 00000000 0x00	CV 228 = 000 00000000 0x00 CV 229 = 000 00000000 0x00
CV 088 = 136 10001000 0x88	CV 165 = 000 00000000 0x00	CV 230 = 000 00000000 0x00
CV 089 = 152 10011000 0x98	CV 167 = 002 00000010 0x02	CV 231 = 000 00000000 0x00
CV 090 = 168 10101000 0xA8	CV 168 = 000 00000000 0x00	CV 232 = 000 00000000 0x00
CV 091 = 188 10111100 0xBC	CV 169 = 000 00000000 0x00	CV 233 = 000 00000000 0x00
CV 092 = 208 11010000 0xD0 CV 093 = 230 11100110 0xE6	CV 170 = 002 00000010 0x02 CV 171 = 000 00000000 0x00	CV 234 = 000 00000000 0x00 CV 235 = 000 00000000 0x00
CV 094 = 255 11111111 0xFF	CV 177 = 000 00000000 0x00	CV 236 = 000 00000000 0x00
CV 095 = 000 00000000 0x00	CV 173 = 006 00000110 0x06	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 112 = 015 00001111 0x0F	CV 175 = 000 00000000 0x00 CV 176 = 006 00000110 0x06	CV 251 = 000 00000000 0x00 CV 252 = 000 00000000 0x00
CV 112 = 015 00001111 0x0F	CV 176 = 006 00000110 0x06 CV 177 = 000 00000000 0x00	CV 252 = 000 00000000 0x00 CV 253 = 000 00000000 0x00
LC4 113 = 013 00001111 0X01	C v 1,7 = 000 0000000 0x00	C v 255 - 000 00000000 0x00

Sound Project Overview 11427-Roco-BR22 -S

Revision						
Date issued:	Sent by:	Customer's feedback date:				
08-11-04	email					
Customer's feed	Customer's feedback (change requests):					
	sack (change requests).					
Changes in com	parison to the former version:					
	ammen" entfernt					
Bremsenquietso Kuppler leiser g	gemacht gemacht					
Kompressor-So Schaffnerpfiff la	und ausgetauscht auter gemacht					
Kurzpfiff aus La	angpfiff (F2) genommen					
zweiter Motors	ound eingebunden					
A 1 .						
Approval note a						
Production file g	enerated by:	Date of generating:				
Manual generate	ed by:	Manual generated from:				