



Bulletin: V36

Manufacturer ESU
Project number 54430
Project version R5



SBS4DCC Custom RDC File based on V36 (Baureihe 236), 6 cylinders dieselhydraulic old-type switcher, with two engines. The base file incorporates similar inline 6 cylinder with hydraulic transmission.

Prime mover(s)
RDC-1/2/3/4: 2 x GM 110 diesels

Power output
RDC-1/2/3/4: 550 hp (410 kW)

Transmission
Hydraulic torque converter

The Budd Rail Diesel Car, RDC or Buddliner is a self-propelled diesel multiple unit railcar. Between 1949 and 1962, 398 RDCs were built by the Budd Company of Philadelphia, Pennsylvania, United States. The cars were primarily adopted for passenger service in rural areas with low traffic density or in short-haul commuter service, and were less expensive to operate in this context than a traditional diesel locomotive-drawn train with coaches. The cars could be used singly or several coupled together in train sets and controlled from the cab of the front unit. The RDC was one of the few DMU (diesel multiple unit) trains to achieve commercial success in North America. RDC trains were an early example of self-contained diesel multiple unit trains, an arrangement now in common use by railways all over the world.

Key	Function	Sound slots	Volume CVs	Volume values
F0	F0F/F0R Directional Headlight			
F1	American diesel locomotives - Fast bell	24	443	128
F2	Leslie A125	13	355	128
F3	Leslie A125 short	14	363	128
F4	Diesel notch up			
F5	Open / Close Door	19	403	128
F6	Acceleration, Switching Mode			
F7	Drive Sound #1	1	259	100
F8	Drive Sound #2	2	267	100
F9	Diesel notch down			
F10	Dimmer			
F11	Radiator Fan	4	283	128
F12	oil pump	5	291	128
F13	compressed air	6	299	128
F14	brake squeal	18	395	128
F15	US airhorns pack #1 (16 airhorns selectable with CV48)	3	275	128
F16	Leslie Twin	7	307	128

F17	Leslie Twin short	8	315	128
F18	Wabco A2	9	323	128
F19	Wabco A2 short	10	331	128
F20	Wabco E2	11	339	128
F21	Wabco E2 short	12	347	128
F22	Leslie A200	15	371	128
F23	Leslie A200 short	16	379	128
F24	US airhorns pack #1 - short airhorns (16 airhorns selectable with CV48)	17	387	128
F25	North American E-Bell	20	411	128
F26	North American Gong Bell	21	419	128
F27	North American Slow Air Bell #1	22	427	128
F28	American diesel locomotives - Slow bell	23	435	128