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1,1,Database replcemend for Decoder Models,KAMIND Associates, Inc All rights reserved.,2006-09-18 00:00:00,KAMIND Associates, Inc.
5,2,Updated stored procedures,KAMIND Associates, Inc All rights reserved.,2006-10-12 00:00:00,KAMIND Associates, Inc
7,3,Added SqlExpress Stred procedures,KAMIND Associates, Inc All rights reserved.,2006-10-29 00:00:00,KAMIND Associates, Inc.
8,4,Added Lenz decoders,KAMIND Associates, Inc All rights reserved.,2006-10-31 00:00:00,KAMIND Associates, Inc
10,5,Added Massoth eMOTION XL,KAMIND Associates, Inc,2006-12-06 00:00:00,KAMIND Associates, Inc
1,0,English,Default Language if not specified,
2,1,German,,
0,Unknown

1,CML Electronics Limited

2,Train Technology

11,NCE Corporation (formerly North Coast Engineering)

12,Wangrow Electronics

13,Public Domain & Do-It-Yourself Decoders

14,PSI -Dynatrol

15,Ramfixx Technologies (Wangrow)

17,Advanced IC Engineering, Inc.

19,AMW

20,T4T - Technology for Trains GmbH

21,Kreischer Datentechnik

22,KAM Industries

23,S Helper Service

24,MoBaTron.de

25,Team Digital, LLC

26,MBTronik - PiN GITmBH

27,MTH Electric Trains, Inc.

28,Heljan A/S

29,Mistral Train Models

30,Toydigit
31,Brelec
32,Regal Way Co. Ltd
33,Praecipus
34,Aristo-Craft Trains
35,Elektronik & Model Produktion
36,DCCconcepts
37,NAC Services, Inc.
62,Tams Elektronik GmbH
66,Railnet Solutions, LLC
68,MAWE Elektronik
71,New York Byano Limited
73,The Electric Railroad Company
85,Uhlenbrock GmbH
87,RR-Cirkits
95,Sanda Kan Industrial, Ltd.
97,Doehler & Haas
99,Lenz Elektronik GmbH
101,Bachmann Trains
103,Nagasue System Design Office
105,Computer Dialysis France
109,Viessmann Modellspielwaren GmbH
111,Haber & Koenig Electronics GmbH (HKE)
113,QS Industries (QSI)
115,Dietz Modellbahntechnik
117,cT Electronic
119,W. S. Ataras Engineering
123,Massoth Elektronik, GmbH
125,ProfiLok Modellbahntechnik GmbH
127,Atlas Model Railroad Products
129,Digitrax
131,Trix Modelleisenbahn

132,ZTC
133,Intelligent Command Control
135,CVP Products
139,RealRail Effects
141,Throttle-Up (Soundtraxx)
143,Model Rectifier Corp.
145,Zimo Elektronik
147,Umelec Ing. Buero
149,Rock Junction Controls
151,Electronic Solutions Ulm GmbH
153,Train Control Systems
155,Gebr. Fleischmann GmbH & Co.
157,Kuehn Ing.
159,LGB (Ernst Paul Lehmann Patentwerk)
161,Modellspielwaren GmbH (formerly Roco)
163,WP Railshops
165,Model Electronic Railway Group
170,AuroTrains
173,Arnold - Rivarossi
186,BRAWA Modellspielwaren GmbH & Co.
204,Con-Com GmbH
238,NMRA Reserved

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 Quantum(R) HO Equipped Locomotives Ver 3.0, 16 Feb
 2005,1,1,113,56,10960,127,49,50,67,94,0
 3,2,0,NMRA Extended,22,,1997-07-27 00:00:00,NMRA Extended Decoder from KAM's
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 6,3,0,Silver Mini Silent-Back EMF DCC Decoder,99,2006-10-14
 07:15:54.657000000,2006-10-14 07:15:54.657000000,Lenz Silver Decoders have received
 an NMRA C&I warrant. Art no 10310.1 June 2006,1,65,33,8,9999,127,0,0,67,94,0
 7,4,0,NMRA Compatible,22,2006-10-31 09:33:19,1997-08-24 09:33:19,NMRA Compatible
 Decoder ,1,1,0,0,127,127,0,0,0,0,0
 8,5,0,Gold Maxi Silent-Back EMF,99,2006-10-31 00:00:00,2006-10-31 00:00:00,Lenz
 Gold decoders have received an NMRA,1,72,33,8,10960,127,0,0,67,94,0
 9,6,0,Gold Mini Silent -Back EMF Dcc Decoder,99,2006-10-31 00:00:00,2006-10-31
 00:00:00,Lenz Gold Mini Silent -Back EMF,1,60,33,8,10960,127,0,0,67,94,0
 10,7,0,eMotion XL,123,2006-12-06 00:00:00,2006-12-06 00:00:00,Massoth Elektronik
 GmbH EMOTION XL Lokdecoder Nr. 8150001 v1.2,1,12,55,7,10239,127,0,0,67,94,0
 1,2,25,0,-1,0,1
 2,4,25,0,-1,1,1
 3,6,25,0,-1,2,1
 4,7,25,0,-1,3,1
 5,8,25,0,-1,4,1
 6,9,25,0,-1,5,1
 7,10,25,0,-1,6,1
 8,11,25,0,-1,7,1
 9,12,25,0,-1,65,1
 10,13,25,0,-1,66,1
 11,14,25,0,-1,67,1
 12,16,25,0,-1,68,1

13,17,25,0,-1,69,1
14,18,25,0,-1,70,1
15,19,25,0,-1,71,1
16,20,33,0,0,0,1
17,21,33,0,1,0,1
18,22,33,0,0,1,1
19,23,33,0,1,1,1
20,24,33,0,0,2,1
21,25,33,0,1,2,1
22,26,33,0,0,3,1
23,27,33,0,1,3,1
24,28,33,0,0,4,1
25,29,33,0,1,4,1
26,30,33,0,0,5,1
27,31,33,0,1,5,1
28,32,33,0,0,6,1
29,33,33,0,1,6,1
30,34,33,0,0,7,1
31,35,33,0,1,7,1
32,49,34,0,0,0,1
33,50,34,0,1,0,1
34,51,34,0,0,1,1
35,52,34,0,1,1,1
36,53,34,0,0,2,1
37,54,34,0,1,2,1
38,56,34,0,0,3,1
39,57,34,0,1,3,1
40,58,34,0,0,4,1
41,59,34,0,1,4,1
42,60,34,0,0,5,1
43,61,34,0,1,5,1
44,62,34,0,0,6,1
45,63,34,0,1,6,1
46,64,34,0,0,7,1
47,65,34,0,1,7,1
48,66,35,0,0,0,1
49,67,35,0,1,0,1
50,68,35,0,0,1,1
51,69,35,0,1,1,1
52,70,35,0,0,2,1
53,71,35,0,1,2,1
54,72,35,0,0,3,1
55,73,35,0,1,3,1
56,74,35,0,0,4,1
57,75,35,0,1,4,1
119,76,35,0,0,5,1
120,77,35,0,1,5,1
121,78,35,0,0,6,1
122,79,35,0,1,6,1
123,80,35,0,0,7,1
124,81,35,0,1,7,1
134,20,36,0,0,0,1
135,21,36,0,1,0,1
136,22,36,0,0,1,1
137,23,36,0,1,1,1
138,24,36,0,0,2,1
139,25,36,0,1,2,1
140,26,36,0,0,3,1
141,27,36,0,1,3,1
142,28,36,0,0,4,1
143,29,36,0,1,4,1
144,30,36,0,0,5,1
145,31,36,0,1,5,1

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146,32,36,0,0,6,1
147,33,36,0,1,6,1
148,34,36,0,0,7,1
149,35,36,0,1,7,1
1,7,0,255,0,0,False,1
2,33,0,255,1,0,True,1
3,34,0,255,3,0,True,1
4,35,0,255,4,0,True,1
6,49,0,255,0,0,False,1
9,50,0,255,0,0,False,1
10,51,0,255,0,0,False,1
11,52,0,255,0,0,False,1
13,53,0,255,0,0,False,1
14,55,0,255,0,0,False,1
15,56,0,255,0,0,False,1
16,62,0,255,1,0,False,1
17,64,0,255,0,0,False,1
18,2,0,255,32,0,True,1
19,3,0,255,0,0,False,1
20,4,0,255,0,0,False,1
21,36,0,255,8,0,True,1
24,37,0,255,16,0,True,1
25,38,0,255,4,0,True,1
27,39,0,255,8,0,True,1
28,40,0,255,16,0,True,1
29,41,0,255,32,0,True,1
30,42,0,255,64,0,True,1
31,43,0,255,16,0,True,1
32,44,0,255,32,0,True,1
33,45,0,255,64,0,True,1
34,46,0,255,128,0,True,1
143,9,0,63,0,0,False,3
1,1,mainLine,,,0
2,2,page,,,0
3,3,Direct,,,0
4,1,German mainline,,,1
5,2,German page,,,1
6,3,German Direct,,,1
7,4,Register,Register Mode programm for older decoders that do nto conform tothe
new programming standards,,0
9,5,Bit Mode Programing,,,0
10,6,Byte Mode programming,,,0
1,25,2,Convex Speed Table,,Reverts to user defined speed table (CV67 - 94)
,1,0
2,25,4,Convex Speed Table,,Reverts to user defined speed table (CV 67-94)
,1,0
3,25,6,Convex Speed table,,Linear Curve
,1,0
4,25,7,Convex Speed Table,,Fast Start 1 (close to linear)
,1,0
5,25,8,Convex Speed Table,,Fast Start 2
,1,0
6,25,9,Convex Speed Table,,Fast Start 3
,1,0
7,25,10,Convex Speed Table,,Fast Start 4
,1,0
8,25,11,Convex Speed Table,,Fast Start 5 (greatest curvature)
,1,0
9,25,12,Concave SLow Start Curve,,reverts to Linear Curve
,1,0
10,25,13,Concave SLow Start Curve,,Reverts t Linear Curve
,1,0
11,25,14,Concave SLow Start Curve,,Slow Start 1 (close to linear)

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20061229_DccCommander.txt

12,25,16,Concave SLow Start Curve,,SLOW Start 2 ,1,0
 13,25,17,Concave SLOW Start Curve,,SLOW Start 3 ,1,0
 14,25,18,Concave SLOW Start Curve,,SLOW Start 4 ,1,0
 15,25,19,Concave SLOW Start Curve,,SLOW Start 5 (greatest curvature) ,1,0
 16,33,20,Directional Lighting,,Directional lighting turn off by FL(f) ,1,0
 17,33,21,Directional Lighting,,Directional Lighting turn on by FL(f) ,1,0
 18,33,22,Directional Reverse Light,,Direction lighting turn off by FL(f) ,1,0
 19,33,23,Directional Reverse Light,,Directional Lighting turn on by FL(f) ,1,0
 20,33,24,Bell,,Bell turn off by FL(f) ,1,0
 21,33,25,Bell,,Bell turn on by FL(f) ,1,0
 22,33,26,Whistle/Horn,,The Whistle/Horn turn off by FL(f) ,1,0
 23,33,27,Whistle/Horn,,Whistle/Horn turn on by FL(f) ,1,0
 24,33,28,Couple Crash, Couple Arm, Couple Fire,, "0-1" If FL(f) changed when engine is moving, couple crash sounds are produced. ,1,0
 25,33,29,Couple Crash, Couple Arm, Coupler Fire,, "1-0" If FL(f) changed when engine is in Neutral, Coupler Arm or couple Fire occurs ,1,0
 26,33,30,Steam Enigne Blower Hiss or diesel,,Blower-Hiss/Fans will turn off FL(f) and you will "take control" of Blower-Hiss/Fans. ,1,0
 27,33,31,Steam Engine Blower Hiss or Diesel,,Blower-Hiss/Fans will turn on FL(f) and you will "take control" of Blower-Hiss/Fans. ,1,0
 28,33,32,Dynamic Brakes,,Dynamic Brakes will turn off by FL(f) ,1,0
 29,33,33,Dynamics brakes,,Dynamics brakes will turn on by FL(f) ,1,0
 30,33,34,Doppler, Start Up,, "0-1" or "1-0" If FL(f) is changed, Doppler shift will occur in a moving Engine ,1,0
 31,33,35,Doppler Start Up,, "0-1-0" or "1-0-1" If FL(f) is double pressed, Quantum will clear all "Take Control" ,1,0
 32,34,49,Directional Lighting,,Directional lighting turn off by FL(r) ,1,0
 33,34,50,Directional Lighting,,Directional Lighting turn on by FL(r) ,1,0
 34,34,51,Directional Reverse Light,,Direction lighting turn off by FL(r) ,1,0
 35,34,52,Directional Reverse Light,,Directional Lighting turn on by FL(r) ,1,0
 36,34,53,Bell,,Bell turn off by FL(r) ,1,0
 37,34,54,Bell,,Bell turn on by FL(r) ,1,0
 38,34,56,Whistle/Horn,,The Whistle/Horn turn off by FL(r) ,1,0
 39,34,57,Whistle/Horn,,Whistle/Horn turn on by FL(r) ,1,0
 40,34,58,Couple Crash, Couple Arm, Couple Fire,, "0-1" If FL(r) changed when engine is moving, couple crash sounds are produced. ,1,0
 41,34,59,Couple Crash, Couple Arm, Coupler Fire,, "1-0" If FL(r) changed when engine is in Neutral, Coupler Arm or couple Fire occurs ,1,0
 42,34,60,Steam Enigne Blower Hiss or diesel,,Blower-Hiss/Fans will turn off by FL(r) and you will "take control" of Blower-Hiss/Fans. ,1,0

20061229_DccCommander.txt

43,34,61,Steam Engine Blower Hiss or Diesel,,Blower-Hiss/Fans will turn on by FL(r)
and you will "take control" of Blower-Hiss/Fans. ,1,0

44,34,62,Dynamic Brakes,,Dynamic Brakes will turn off FL(r)
,1,0

45,34,63,Dynamics brakes,,Dynamics brakes will turn on by FL(r)
,1,0

46,34,64,Doppler, Start Up,, "0-1" or "1-0" If FL(r) is changed, Doppler shift will
occur in a moving Engine ,1,0

47,34,65,Doppler, Start Up,, "0-1-0" or "1-0-1" If FL(r) is double pressed, Quantum
will clear all "Take Control" ,1,0

48,35,66,Directional Lighting,,Directional lighting turn off by F1
,1,0

49,35,67,Directional Lighting,,Directional Lighting turn on by F1
,1,0

50,35,68,Directional Reverse Light,,Direction lighting turn off by F1
,1,0

51,35,69,Directional Reverse Light,,Directional Lighting turn on by F1
,1,0

52,35,70,Bell,,Bell turn off by F1
,1,0

53,35,71,Bell,,Bell turn on by F1
,1,0

54,35,72,Whistle/Horn,,The Whistle/Horn turn off by F1
,1,0

55,35,73,Whistle/Horn,,Whistle/Horn turn on by F1
,1,0

56,35,74,Couple Crash, Couple Arm, Couple Fire,, "0-1" If F1 changed when engine is
moving, couple crash sounds are produced. ,1,0

57,35,75,Couple Crash, Couple Arm, Coupler Fire,, "1-0" If F1 changed when engine
is in Neutral, Coupler Arm or couple Fire occurs ,1,0

58,35,76,Steam Enigne Blower Hiss or diesel,,Blower-Hiss/Fans will turn off F1
and you will "take control" of Blower-Hiss/Fans. ,1,0

59,35,77,Steam Engine Blower Hiss or Diesel,,Blower-Hiss/Fans will turn on F1 and
you will "take control" of Blower-Hiss/Fans. ,1,0

60,35,78,Dynamic Brakes,,Dynamic Brakes will turn off by F1
,1,0

61,35,79,Dynamics brakes,,Dynamics brakes will turn on by F1
,1,0

62,35,80,Doppler, Start Up,, "0-1" or "1-0" If F1 is changed, Doppler shift will
occur in a moving Engine ,1,0

63,35,81,Doppler Start Up,, "0-1-0" or "1-0-1" If F1 is double pressed, Quantum
will clear all "Take Control" ,1,0

64,36,82,Directional Lighting,,Directional lighting turn off by F2
,1,0

65,36,83,Directional Lighting,,Directional Lighting turn on by F2
,1,0

66,36,84,Directional Reverse Light,,Direction lighting turn off by F2
,1,0

67,36,85,Directional Reverse Light,,Directional Lighting turn on by F2
,1,0

68,36,86,Bell,,Bell turn off by F2
,1,0

69,36,87,Bell,,Bell turn on by F2
,1,0

70,36,88,Whistle/Horn,,The Whistle/Horn turn off by F2
,1,0

71,36,89,Whistle/Horn,,Whistle/Horn turn on by F2
,1,0

72,36,90,Couple Crash, Couple Arm, Couple Fire,, "0-1" If F2 changed when engine is
moving, couple crash sounds are produced. ,1,0

73,36,91,Couple Crash, Couple Arm, Coupler Fire,, "1-0" If F2 changed when engine
is in Neutral, Coupler Arm or couple Fire occurs ,1,0

74,36,92,Steam Enigne Blower Hiss or diesel,,Blower-Hiss/Fans will turn off F2

and you will "take control" of Blower-Hiss/Fans. ,1,0
75,36,93,Steam Engine Blower Hiss or Diesel,,Blower-Hiss/Fans will turn on F2 and
you will "take control" of Blower-Hiss/Fans. ,1,0
76,36,94,Dynamic Brakes,,Dynamic Brakes will turn off by F2
,1,0
77,36,95,Dynamics brakes,,Dynamics brakes will turn on by F2
,1,0
78,36,96,Doppler, Start Up,, "0-1" or "1-0" If F2 is changed, Doppler shift will
occur in a moving Engine ,1,0
79,36,97,Doppler Start Up,, "0-1-0" or "1-0-1" If F2 is double pressed, Quantum
will clear all "Take Control" ,1,0
80,37,20,Directional Lighting,,Directional lighting turn off by FL(f)
,1,0
81,37,21,Directional Lighting,,Directional Lighting turn on by FL(f)
,1,0
82,37,22,Directional Reverse Light,,Direction lighting turn off by FL(f)
,1,0
83,37,23,Directional Reverse Light,,Directional Lighting turn on by FL(f)
,1,0
84,37,24,Bell,,Bell turn off by FL(f)
,1,0
85,37,25,Bell,,Bell turn on by FL(f)
,1,0
86,37,26,Whistle/Horn,,The Whistle/Horn turn off by FL(f)
,1,0
87,37,27,Whistle/Horn,,Whistle/Horn turn on by FL(f)
,1,0
88,37,28,Couple Crash, Couple Arm, Couple Fire,, "0-1" If FL(f) changed when engine
is moving, couple crash sounds are produced. ,1,0
89,37,29,Couple Crash, Couple Arm, Coupler Fire,, "1-0" If FL(f) changed when
engine is in Neutral, Coupler Arm or couple Fire occurs ,1,0
90,37,30,Steam Engine Blower Hiss or diesel,,Blower-Hiss/Fans will turn off FL(f)
and you will "take control" of Blower-Hiss/Fans. ,1,0
91,37,31,Steam Engine Blower Hiss or Diesel,,Blower-Hiss/Fans will turn on FL(f)
and you will "take control" of Blower-Hiss/Fans. ,1,0
92,37,32,Dynamic Brakes,,Dynamic Brakes will turn off by FL(f)
,1,0
93,37,33,Dynamics brakes,,Dynamics brakes will turn on by FL(f)
,1,0
94,37,34,Doppler, Start Up,, "0-1" or "1-0" If FL(f) is changed, Doppler shift will
occur in a moving Engine ,1,0
95,37,35,Doppler Start Up,, "0-1-0" or "1-0-1" If FL(f) is double pressed, Quantum
will clear all "Take Control" ,1,0
1,7,Manufacturer version No.,See CV 56.128.nm for additional informaiton on Quantum
Specifications.,,1,0
2,33,Output Function Location FL(f),Preset to directional lighting,,1,0
3,34,Output Function Location FL(r),Preset to directional lighting,,1,0
4,35,Output Function Location F1,Preset to bell output,,1,0
5,49,QSI Primary Index,,,1,0
6,50,QSI Secondary Index,,,1,0
7,51,QSI System Soud Control,,,1,0
8,52,QSI Individual Sound Volume Control,,,1,0
9,53,QSI Function Output Feature Assignmnet,,,1,0
10,55,QSI Feature Configuration,,,1,0
11,56,QSI Configuration,,,1,0
12,62,QSI Control,,,1,0
13,64,Verbal CV Inquiry,,,1,0
14,2,V-Start,Sets the voltage drive level applied to the motor at the first
throttle speed step. This number may change form engine to engine,,1,0
15,3,Aceleration Rate,Sets Quantum vlaue of Inertia Under Acceleration,,1,0
16,4,Decelration rate,Sets Quantum Inertia Under Deceleration,,1,0
17,36,Output Function Location F2,Preset to whistle output,,1,0
18,37,Output Function Location F3,,,1,0

20061229_DccCommander.txt

19,38,Output Function Location F4,,,1,0
 20,39,Output Function Location F5,,,1,0
 21,40,Output Function Location F6,,,1,0
 22,41,Output Function Location F7,,,1,0
 23,42,Output Function Location F8,,,1,0
 24,43,Output Function Location F9,,,1,0
 25,44,Output Function Location F10,,,1,0
 26,45,Output Function Location F11,,,1,0
 27,46,Output Function Location F12,,,1,0
 28,9,Total PWM Period26,Not needed with our moor control,,1,0
 29,10,EMF Feedback Cutout2,Not needed with our BENF detection,,1,0
 31,11,Packet Time-Out Value,About 1 sec,,1,0
 33,5,V-High,Either 1 or 0 in this CV will disable V-High,,1,0
 35,17,Extended Address,CV 17 and 18 form a paired CV. CV 17 must be written first followed by CV 18,,1,0
 36,25,Speed Table Selection,Linear,,1,0
 1,29,1,Locomotive Direction,,Forward Direction,0
 2,29,2,Locomotive Direction,,Reverse Direction,0
 3,29,3,FL,,Speed and Direction instruction FL (14 Speed Step Mode),0
 4,29,4,FL,,Function Group 1 controls FL,0
 5,29,5,Power Source Conversion,,Power Souce Conversion disabled,0
 6,29,8,Power Source Conversion,,Power Source Conversion enabled,0
 7,29,9,Advance Decoder Acknowledgement,,Disabled,0
 8,29,10,Advance Decoder Acknowledgement,,Enabled,0
 9,29,11,Speed Table set by Configuration Variables,,Speed Table not used,0
 10,29,12,Speed Table set by Configuration Variables,,Speed Table set by CV 25, Quantum Speed Table selection,0
 11,29,13,Extended Address mode enabled,,Quantum responds to one byte address (see cv1),0
 12,29,14,Extended Address Mode enabled,,Quantum responds to two byte Exttended Address (CV17 and CV 18),0
 13,29,15,Reserved for NMRA Use,,,,0
 14,29,16,Reserved for NMRA Use,,,,0
 15,29,17,Accessory Decoder,,Multifunction Locomotive Decoder,0
 16,29,18,Accessory Decoder,,Accessory Decoder,0
 513,1,Primary Address,,,,0
 514,2,V-Start,This number may change form engine to Engine,,0
 515,3,Acceleration Rate,,,,0
 516,4,Deceleration Rate,,,,0
 517,5,V-High,Either 1 or 0 in this CV will disable V-High,,0
 518,6,V-Mid,,,,0
 519,7,Manufactures Version No,,,,0
 520,8,Manufacturer's ID,,,,0
 521,9,Total PWM Period26,,,,0
 522,10,EMF Feedback Cutout2,,,,0
 523,11,Packet Time-Out Value,About 1 second,,0
 524,12,Power Source,,,,0
 525,13,Analog Mode Funtiton Status,,,,0
 526,14,Reserved by NMRA for future use,,,,0
 527,15,Resered by NMRA for future use,,,,0
 528,16,Resered by NMRA for future use,,,,0
 529,17,Extended Address,,,,0
 530,18,Extended Address,,,,0
 531,19,Consist Address,,,,0
 532,20,Resered by NMRA for future use,,,,0
 533,21,Consist Address Active for F1-F8,,,,0
 534,22,Consist Address Active for FL,,,,0
 535,23,Acceleration Adjustments,,,,0
 536,24,Deceleration Adjustment,,,,0
 537,25,Speed Table Selection,Linear,,0
 538,26,Resered by NMRA for future use,,,,0
 539,27,Resered by NMRA for future use,,,,0
 540,28,Resered by NMRA for future use,,,,0

541,29,Configuration Data #1,,,0
542,30,Error Informaiton,,,0
543,31,Configuration Data #2,,,0
544,32,Configuration Data #3,,,0
545,33,Output Function Location for FL(f),,,0
546,34,Output Function Location for FL(r)F1,,,0
547,35,Output Function Location for F1,,,0
548,36,Output Funciton Location for F2,,,0
549,37,Output Function Location for F4,,,0
550,38,Output Function Location for F4,,,0
551,39,Output Function Location for F5,,,0
552,40,Output Function Location for F6,,,0
553,41,Output Function Location for F7,,,0
554,42,Output Function Location for F8,,,0
555,43,Output Funciton Location for F9,,,0
556,44,Output Funciton Location for F10,,,0
557,45,Output FuntionLocation for F11,,,0
558,46,Output Funciton Location for F12,,,0
559,47,Reserved by NMRA for future use,,,0
560,48,Reserved by NMRA for future use,,,0
561,49,Reserved for Mfg future use,,,0
562,50,Reserved for Mfg future use,,,0
563,51,Reserved for Mfg future use,,,0
564,52,Reserved for Mfg future use,,,0
565,53,Reserved for Mfg future use,,,0
566,54,Reserved for Mfg future use,,,0
567,55,Reserved for Mfg future use,,,0
568,56,Reserved for Mfg future use,,,0
569,57,Reserved for Mfg future use,,,0
570,58,Reserved for Mfg future use,,,0
571,59,Reserved for Mfg future use,,y interpertation ,0
572,60,Reserved for Mfg future use,,,0
573,61,Reserved for Mfg future use,,,0
574,62,Reserved for Mfg future use,,,0
575,63,Reserved for Mfg future use,,,0
576,64,Reserved for Mfg future use,,,0
577,65,Kick Start,,,0
578,66,Forward Trim,,,0
579,67,Speed Step 1,,,0
580,68,Speed Step 2,,,0
581,69,Speed Step 3,,,0
582,70,Speed Step 4,,,0
583,71,Speed Step 5,,,0
584,72,Speed Step 6,,,0
585,73,Speed Step 7,,,0
586,74,Speed Step 8,,,0
587,75,Speed Step 9,,,0
588,76,Speed Step 10,,,0
589,77,Speed Step 11,,,0
590,78,Speed Step 12,,,0
591,79,Speed Step 13,,,0
592,80,Speed Step 14,,,0
593,81,Speed Step 15,,,0
594,82,Speed Step 16,,,0
595,83,Speed Step 17,,,0
596,84,Speed Step 18,,,0
597,85,Speed Step 19,,,0
598,86,Speed Step 20,,,0
599,87,Speed Step 21,,,0
600,88,Speed Step 22,,,0
601,89,Speed Step 23,,,0
602,90,Speed Step 24,,,0
603,91,Speed Step 25,,,0

604,92,Speed Step 26,,,0
605,93,Speed Step 27,,,0
606,94,Speed Step 28,,,0
607,95,Reverse Trim,,,0
608,96,Reserved by NMRA for future use,,,0
609,97,Reserved by NMRA for future use,,,0
610,98,Reserved by NMRA for future use,,,0
611,99,Reserved by NMRA for future use,,,0
612,100,Reserved by NMRA for future use,,,0
613,101,Reserved by NMRA for future use,,,0
614,102,Reserved by NMRA for future use,,,0
615,103,Reserved by NMRA for future use,,,0
616,104,Reserved by NMRA for future use,,,0
617,105,User Identifier #1,,,0
618,106,User Identifier #2,,,0
619,107,Reserved by NMRA for future use,,,0
620,108,Reserved by NMRA for future use,,,0
621,109,Reserved by NMRA for future use,,,0
622,110,Reserved by NMRA for future use,,,0
623,111,Reserved by NMRA for future use,,,0
624,112,Reserved by NMRA for future use,,,0
625,113,Reserved by NMRA for future use,,,0
626,114,Reserved by NMRA for future use,,,0
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20061229_DccCommander.txt

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 1031,6,Mittengeschwindigkeit,Die Geschwindigkeit der Lok bei mittlerer Fahrstufe,,1
 1032,7,Versionsnummer,Interne Softwareversion des LokPiloten (nur lesen),,1
 1033,8,Herstellerkennung,NMRA Kennung des Herstellers (nur lesen),,1
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20061229_DccCommander.txt

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