



## Description of the Logging function

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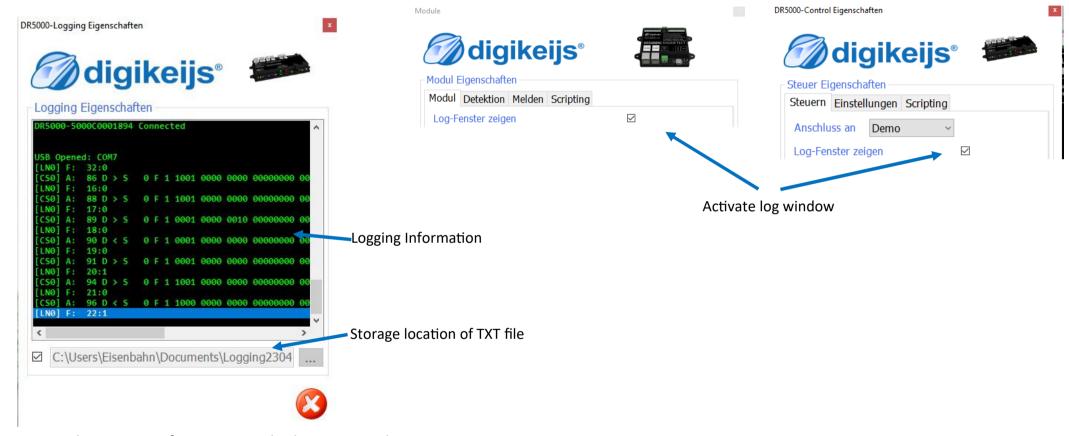




## Induction

Since the introduction of the DR5000, there has been a so-called logging window. All commands, functions and much more are displayed in this window. If reguired, this information can be saved in a TXT file for later analysis.

This description contains important messages for the user that are displayed in the logging window of the DR50xx product line. All messages that are not explained here are system messages of the DR50xx.



General structure of an entry in the logging window

[CS0]	M: TC 306mA PC 0mA LC 40mA TT 26.4'C CT 26.6'C	CA 2C CB 09
Internal message where the command comes from or where it goes to. What is displayed here is only important for the user in special cases.	Message entry that is interesting for the user. (Explanation see below.)	Internal function of the DR5000

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DR5000 status message							
M:	TC 324n	nA	PC 0mA	LC 31mA	TT 27.5'C	CT 26.8'C	CA 2C CB 09
measurement			Current consumption on programming track	Current consump- tion at Loconet®	Temperature of the H-bridge (main track)	CPU temperature	Internal function of the DR5000
Loco command							
A: 15 D>		D >		S 29		F 1 0001 0000 0000 00000000 00000000	
` '		Direction forward	of locomotive travel	Number of transmitted speed steps (here 29)		Display which functions are active	
A: 69	: 69 D <			S 101		F 1 0001 0000 0000 00000000 00000000	
` '		Direction motive ba		Number of transmitted speed steps (here 101)		Display which functions are active	
corresponds to F				0074	added to the displayed fe	>	Their physically
F: Feedback		109:1 110 occu		0074 Locomotive address 7	74 detected	Forward track dire	
						(not supported by all decoders.)	
F:		108:1		0072		<	
Feedback		109 occu	pied	Locomotive address 7	72 detected	Rerail direction backwards (not supported by all decoders.)	
l:		Q:96		20			
Information		QoS mess	_	QoS message in % of (not supported by all			
l:		S: 0074		L 66			
Information		Locomoti the		current speed level = (not supported by all			

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## Normal feedback

Please note that the DR5000 is technically correct. This means that a one must be added to the displayed feedback unit. RM 72 then corresponds to RM 73, etc.

F:	72:0	
Feedback	73 free	
F:	72:1	
Feedback	73 occupied	

## Magnetic article switching circuit

Two commands always belong to a magnetic article circuit. With the first command, the output is switched on and remains active for the minimum or maximum time set in the control panel. The output is then switched off again with the second command.

Please note that the DR5000 is technically correct. This means that a one must be added to the magnetic article displayed in the log. Switched magnetic article address 9 then corresponds physically to the actual address 10 etc.

T:	9	*	
Magnetic article output	number 10	Position just switched (output =1)	
T:	9	II	
Magnetic article output	number 10	Position just switched off (output =0)	
T:	15	/*	
Magnetic article output	number 16	Position bent switched (output =1)	
T:	15	//	
Magnetic article output	number 16	Bent position switched off (output =0)	

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Reading a CV via the programming track				
L:CV read	:SVC:0	CV 29		
CV read	via the programming track	of the CV 29 requested		
M: PC	94mA			
Query Prog. Track current	measured value			
X:SVC:0	CV 29=34	ST OK		
On the programming track	Value of CV 29 = 34 detected	Status of the read operation OK.		
Writing a CV via the programming track				
L:CV write :	SVC:0	CV 29=34		
Write CV requested	on the programming track	CV 29 with the value 34		
M: PC	94mA			
Query Prog. Track current	measured value			
X:SVC:0	CV 29=34	ST OK		
Answer Programming track	Value of CV 29 = 34 detected	Status of the write operation OK.		
Reading a CV with Railcom® via the main track POM Additional hardware (DR5088RC) is required to read a CV via the main track and Railcom®.				
L:CV read :	POM:65	CV 27		
Read CV	via the main track of locomotive address 65	request the CV 27		
X:POM	:65	CV 29=11	ST OK	
Answer Main track	Lokadresse 65	Value of CV 29 = 11 detected	Status of the read operation OK.	
Writing a CV about the main track POM				
L:CV write :	POM:65	CV 29=11		
Write CV requested	via the main track to the locomotive address 65	CV 29 with the value 11		

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