

Title:

RC BASIC, Operating Guide

 **REGNECENTRALEN**

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Abstract:

This manual describes how to use the RC BASIC system under the DOMUS/MUS operating system. The creation and use of logical discs are shortly described.

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<u>CONTENTS</u>	<u>PAGE</u>
1. PREFACE	1
2. HOW TO LOAD RC BASIC FROM A DOMUS-DISC	2
3. CREATION AND USE OF LOGICAL DISCS	3
3.1. Introduction	3
3.2. Creation of DOMUS-discfiles	3
3.3. Creation of Logical Discs	3
3.4. Using a Logical Disc from an RC BASIC Program ..	4
4. CHANGING DISC-PACKS	5
5. CLOSING DOWN RC BASIC	6
6. EXAMPLE	7
7. HOW TO LOAD RC BASIC IN NON-DOMUS-SYSTEMS	10
8. THE USE OF FLEXIBLE DISCS (DISCETTES)	15
APPENDIX A - REFERENCES	
APPENDIX B - THE MASTERTERMINAL	
APPENDIX C - AREA PROCESSES USED BY THE RC BASIC SYSTEM	
APPENDIX D - THE BASIC COMMAND FILE (DOMUS SYSTEMS ONLY)	

1. PREFACE.

1.

This manual describes how to use the RC BASIC system operating on the RC3600 and RC7000 minicomputers under the DOMUS or MUS operating system.

The start up and closing down procedures are described as well as the creation of logical discs on moving head - or flexible disc.

Chapter 1-5 contains information about the use of RC BASIC on moving-head-disc installations, while chapter 6-7 describes the use of the system on installations without moving-head-disc. Users of flexible-disc-installations might read chapter 2-4 with profit, as the logical disc devices (LDDV-files) described here may be considered as being discettes.

2. HOW TO LOAD RC BASIC FROM A DOMUS-DISC.

When an RC BASIC system have been installed on a disc containing the DOMUS operating system, the system can be loaded and started in the following way:

- a) The DOMUS-system is bootstrapped according to the description in ref. [1].
- b) A suitable number of area processes are loaded, i.e. one of the commands
LOAD CAP4 or
LOAD CAP8 is issued (CAP4: 4 area processes, CAP8: 8 area-processes). (See app. C).
- c) The command
INT BASIC
is issued to load the processes which makes up the RC BASIC system. It is important that a file named COPSP exists on the disc before the command is issued, see ref. [5].
- e) After approximately 15 seconds, the following transcript appears on the MASTERTERMINAL (see app. B).
DATE (YY.MM.DD) =
TIME (HH.MM.SS) =
The two questions are answered either by just striking the RETURN-key (in this case date and time will be initialized to zero by the system) or the current date and time may be typed in. Please notice the format - two digits for each number. When the questions have been answered, the transcript
YY.MM.DD, HH.MM.SS: TERMINAL XX IDLE.
will appear on the terminals which are supported by the actual software-configuration.
A terminal can be activated by pressing the ESC-key. The system writes
ATT
and the user may answer BASIC (or COMAL) if the terminal should be used for BASIC, or TIME if the date and time is to be changed. Please note that date and time may only be changed from the MASTERTERMINAL.

3. CREATION AND USE OF LOGICAL DISCS.

3.

3.1. Introduction.

3.1.

By means of the DOMUS-operating system it is possible to create files on the disc. In the present version of RC BASIC these files can not be used directly from BASIC-programs.

The files may however be divided into a number of logical discs. This means, that a logical disc is a part of a disc file. From the point of view of a BASIC-program a logical disc may be thought of as a subcatalog. This means that it is possible from a BASIC-program to operate on files which are contained in a logical disc. In ref. [3], chapter 7, the logical disc concept is described in details.

In the following it will be described how to create DOMUS-discfiles, how these can be divided into logical discs and how one can communicate with a logical disc from an RC BASIC-program.

3.2. Creation of DOMUS-discfiles.

3.2.

The RC BASIC system can at any time use up to 5 DOMUS-files, each of which are divided into a number of logical discs. The files may be placed on any disc-unit, and the names of the files must be LDDV1, LDDV2, . . . , LDDV5, (LDDV is an abbreviation for Logical Disc DeVice). The files may be created by means of the DOMUS-utility-program CREATE (see ref. [2]).

3.3. Creation of Logical Discs.

3.3.

A DOMUS-discfile can be divided into a number of logical discs by means of the program LDF00 (Logical Disc Formatting Program). This program is delivered with the RC BASIC system and the detailed use of it is described in ref. [4].

