
Title:

RC36-00726 'AMXINIT'

RC3682 AMX DRIVER INITIALIZATION PROGRAM

USER'S GUIDE

 **REGNECENTRALEN**

RC SYSTEM LIBRARY: FALKONERALLE 1 DK-2000 COPENHAGEN F

RCSL No: 43-GL5843

Edition: January 1978

Author: Jørgen Hansen

Keywords:

MUS, DOMUS, Utility, RC3682 AMX

Abstract:

This manual describes how to use the program AMXINIT for initialization of an RC3682 AMX.

It is possible to initialize one or more channels independantly. The parameters to be given are: number of stopbits, parity, character length, recieve and transmit speed, timers.

<u>CONTENTS</u>	<u>PAGE</u>
1. Introduction	1
2. Requirements	2
3. Call	3
4. Command file	4
5. Error messages	5
Appendix A - example of command file	

1. INTRODUCTION

1.

This manual describes how to use the program AMXINIT for initialization of a RC3682 AMX driver. The driver exists in three versions for 8, 16 og 24 channels, and AMXINIT can be used for them all.

The parameters to be used by the program are taken from a command file, which can be a disc file or a device by using file descriptors.

It is possible for the user to specify different values for each channel in the command file.

2. REQUIREMENTS

2.

AMXINIT requires 3798 bytes of memory.
Before the program is called, the AMX driver
must be loaded.

3. CALL

3.

AMXIN IN. <file>

IN: The file from which the commands are read. It might be a disc file or a device descriptor. Default is $\$PTR$.

4. COMMAND FILE

4.

A command file is a text file which can be written with the editor. One command consists of one line which contains the information needed to initialize one channel of the AMX. The command lines are identified by their first character, which must be a /. Lines not starting with a / are skipped by the program and may be used for comments.

The program execution is terminated by a command line that has /END as the first characters.

The syntax of each command line must be as follows:

```

/<channel number> <stopbits> <parity> <length>
<rec. bitrate> <xmit bitrate> <intimer 0>
<outtimer 1>

```

The parameters must be separated by at least one space, but no spaces are allowed between the / and the channel number.

The parameters are as follows:

```

Channel number:  0:23   NB: The first channel of
                   the AMX is channel 0!

Stopbits:       1:2

Parity:         ODD, EVEN, NO

Character length: 5:8

Rec.bitrate:    9600, 4800, 2400, 1200, 600, 300,
                220, 200, 150, 134.5, 110, 75,
                50, 40

Xmit.bitrate:   As above

Timers:        0:225

```

Further information about the parameters can be found in the RC3600 drivers manual, chapter 18.

5. ERROR MESSAGES

5.

All messages will cause stop of the execution. Error messages from the disc and the devices are fetched from the DOMUS error text file and are described in DOMUS user's guide.

One or more syntax errors in the command file will cause the following error message:

SYNTAX ERROR IN COMMAND FILE

APPENDIX A

Example of command file for AMXINIT:

COMMAND FILE FOR INITIALIZATION OF AMX8

BITS PER CHAR: 7+2 STOPBITS

PARITY: EVEN

CHANNEL 0-2:1200 BPS, CHANNEL 3: 300 BPS

CH	S	PAR	L	REC	XMIT	TI0	TI1	TO0	TO1
/0	2	EVEN	7	1200	1200	20	20	50	20
/1	2	EVEN	7	1200	1200	20	20	50	20
/2	2	EVEN	7	1200	1200	20	20	50	20
/3	2	EVEN	7	300	300	20	20	50	20
/END									

