

HowToCode7

COLLABORATORS

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	HowToCode7	1
1.1	HowToCode: Kickstart	1
1.2	How to make a RESET	1
1.3	Trackloaders	2

Chapter 1

HowToCode7

1.1 HowToCode: Kickstart

Miscellaneous hints and tips

- 1 How to make a RESET
- 2 Trackloaders

1.2 How to make a RESET

How to make a RESET

Here is the official routine supported by Commodore:
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

INCLUDE "exec/types.i"
INCLUDE "exec/libraries.i"

; csect text                ; in lattice ASM
; section text,code         ; in Devpac/Argasm

xdef  _ColdReboot
xref  _LVOSupervisor

EXECBASE      equ 4
ROMEND        equ $01000000
SIZE_OFFSET   equ -$14

KICK_V36      equ 36
V36_ColdReboot equ -726

```

_ColdReboot:

```

    move.l EXECBASE,a6
    cmp.w #KICK_V36,LIB_VERSION(a6) ;which Version of Exec ?
    blt.s .old_kick ;old one -> goto old_kick

    jmp V36_ColdReboot(a6) ;else use Exec-Function

.old_kick:
    lea .Reset_Code(pc),a5
    jsr _LVOSupervisor(a6) ;get Supervisor-status
    ;never reaching this point

    cnop 0,4 ;very important
.Reset_Code:
    lea ROMEND,a0 ;Calc Entrypoint
    sub.l SIZE_OFFSET(a0),a0
    move.l 4(a0),a0
    subq.l #2,a0
    reset ;Reset peripherie
    jmp (a0) ;done
    ; <reset> and <jmp> in the same LONGWORD !!!!
END

```

1.3 Trackloaders

Trackloaders

Use CIA timers! DON'T use processor timing. If you use processor timing you will MESS UP the diskdrives in accelerated Amigas.

Use AddICRVector to allocate your timers, don't hit \$bfxxxx addresses!!!

On second thoughts. DON'T use trackloaders! Use Dos...