

HowToCode7

COLLABORATORS

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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...