

CTL Modular One Software catalogue

All software is stored on Paper tape. This catalogue refers to software that exists in this format. The tapes were stored in an assortment of boxes and this has been maintained as there may be some relationship between the tapes in a certain box (e.g. latest working copies). The colour of the tape used may be of significance but the meaning of any colour coding is unknown and that would only apply to original CTL tapes.

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References

Manuals

1. Modular One User Manual E2 Executive
2. Modular One User Manual E2 Utilities
3. Equipment Catalogue
4. DEMI manual

1. CTL Software Tapes

These are paper tapes issued by CTL that are labelled with a CTL software reference. They may also have a human readable punched pattern in the tape header. Some copies of these tapes have been made and are included here.

1.1. Loaders

Name	Labelled	Description	Colour	Punched Header/ Location
MAXI	In envelope labelled MAXI – Black Tape + E2 Loader Prime copies		Black	No Box 4
P31 Maxi	P31 Maxi		Orange	No Impex Box
P31 Maxi	P31 Maxi (Works on 815)		Orange	No Box 4
E2 Loader	E2 Loader Maxi 17-5-81	E2 Loader	Pink	No Box 2
E2 Loader	E2 Loader	E2 Loader	Pink	No Box 2
E2 Loader	2/81 E2 Loader	E2 Loader	Pink	No Box 3
MAXILOADER	MAXILOADER for PTR	Loader for Paper Tape Reader	White	No Box 3

1.2. Modular one Executive E2

The Executive is supplied as E2MAIN which is a generic version of the executive. This must be configured to suit the specific hardware of the system and dumped to provide a configured version of E2 which can be reloaded via the Paper Tape Reader.

Name	Labelled	Description	Colour	Punched Header/ Location
E2Main	281/2/1 issue 7	The E2 Executive (1.81/2) is a multiprogramming executive capable of supporting up to 120 user programs in a wide range of hardware configurations See E2 Executive manual. I assume that this is the un-configured version of E2	Orange	E2Main 281/2/1R7 Box 4
E2	E2 06/61	E2	Black	None Box 2
E2	E2 Exec Tested 17-5-81	E2 Configured and tested version?	Pink	None Box 4
E2	E2 06/61 Feb 82 Tested 17-5-81	E2 Configured and tested version?	Pink	None Box 4
E2	E2 06/61	E2 Configured version?	Pink	None Box 4
E2	E2 Exec 2/2/82 Untested	E2 Configured and untested version?	Pink	None Box 4
E2RL	E2 RL 281/2/3B 1;1;3;	Program number 1.81/2/3 Used to dump the user's Executive in a condensed form (known as Reload format) on paper tape; Tapes produced by E2RL are prefaced by a 200 character bootstrapper	Orange	None Box 2

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		followed by the dumped executive in Reload format. See E2 Executive manual Appendix D and the section on E2RL.		
E2RL	281/2/3B issue 3 1;1;4; Marked OK PHS	See above	Orange	9999 E2RL 181/2/3B3 Box 3
E2RL Copy	E2 RL Copy Tested 1;1;3; 17-5-81	See above	Pink	None Box 3
E2CF	281/2/2B INSP. <i>Initialled</i> DB ISS. 7 XYZ 5;0;4 27/6/74	Program Number 1.81/2/2 Configures 1.81/2/1 E2MAIN for optional software facilities and peripheral devices. See E2 Executive manual.	Orange	None Box 4
E2CF	181/2/2B INSP. <i>Initialled</i> NJ ISS. 4 5;0;4;	See above	Orange	9999 TT04TP110001 Box 4
E2MD	181/2/9B	Configures 1.81/2/1 E2MAIN for Communications Multiplexer, Card Reader and Discs. See E2 Executive manual.	Orange	1 1507 Box 4
E2MD	281/2/9B INSP <i>initialled</i> ISS.4.1 E2MD SEG=21:0:4; 05/04/74	See above	Orange	None Box 3

1.3. Utilities

Name	Labelled	Description	Colour	Punched Header/ Location
DEMI	DEMI copy 5:n:n	Program Number 1.88/18/1 Used for on-line debugging. Since the program comprises a simple operating system, there are also facilities for inputting paper tape programs. See DEMI manual.	White	None
DEMI	SLB/DEMI 5:n:n	Debug Utility	Pink	None Box 3
DUMP	283/4/2B Issue 3 DUMP C.O. Batch 1 5/7/71		Orange	None Box 3
DUMP	283/4/2B Issue 3 DUMP C.O. Batch 1 5/7/71		Orange	None Box 3
DUMP	Dump 1;1;1 Copy 17-5-81		Pink	None Impex box
PTR SW to E2	PTR SW to E2 181\2\8L Iss 2	A program that allows the loading of E2 tapes in Reload format from the paper tape reader. Used in the RELOAD procedure for the Executive see E2 Executive manual Appendix D.	Orange	1 1507 Box 2
FDMP	283/11/2B issue 2 FDMP(XYZ= 6;1;0)C.O. Batch 6 10/1/72	Assists in Program debugging by allowing the user to examine values in memory which may have been changed as the program is developed.	Orange	None Box 3

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Name	Labelled	Description	Colour	Punched Header/ Location
		See E2 utilities manual for details.		
CLEARSTORE	288/11/06 Iss 2 CLEARSTORE		Pink	1 1507 Box 3
CLEARSTORE	CLEARSTORE		Pale Pink	None Box 4
KOPI (E1)	283/3/1B ISSUE 2 KOPI (UNDER E1) C.O. Batch 9 7/10/71	Copies and checks any paper tape. Optionally eliminates delete characters. The E2 utilities manual refers to the E2 version.	Orange	None Box 3
KOPI (E1)	283/3/1B ISSUE 2 KOPI (UNDER E1) C.O. Batch 9 7/10/71	Copies and checks any paper tape. Optionally eliminates delete characters. The E2 utilities manual refers to the E2 version.	Orange	None Box 3
Interrupt Reporter	Interrupt Reporter Iss 2 Chan 3 TTY		White	None Box 4
NTEST	NTEST 17-5-81 E2 Exec		Pink	None Box 4
ETAT	ETAT issue 1 5;4;1;		Pale Blue	Box 4
CLAT	CLAT 2;1;1;		Yellow	Box 4
CEDIT	283/10/2B issue 3 6;2;2; CEDIT C.O. Batch 7 29/7/71	Program Number 1.83/10/2 General-purpose context editor for any source data on paper tape. See E2 utilities manual for details.	Orange	Box 4

1.4. Assemblers

Name	Labelled	Description	Colour	Punched Header/Location
ASS4	282/1/2B issue 4 ASS4 Under E2 C.O. Batch 4 30/6/71	Assembler	Orange	None Box 3
ASS4	282/1/2B issue 4 ASS4 (E2) C.O. Batch 4 1/7/71	Assembler	Orange	None Box 3
ASS 5	281/1/2B issue 5 ASS 5 Under E2 C.O. Batch 10 7/12/71	Assembler	Orange	None Impex box
ASM5	282/5/2B issue 5 ASM5 C.O. Batch 8 29/11/71	Assembler	Orange	None Box 3
MASS V1	MASS V1 copy 1;1;2;	Assembler	Pale blue	None Box 4
MASS V2	MASS V2 copy 1;n;2;	Assembler	Pale blue	None Box 4
MASS V3	MASS V3 copy 1;n;2;	Assembler	Pale blue	None Box 4
MASS V4	MASS V4 7-11-80 copy	Assembler	Black	None Box 4
MASS V5	MASS V5 11-10-80 1;n;2	Assembler	Black	None Box 3
MASS V6	MASS V6 15-11-80 1;n;2	Assembler	White	None

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Name	Labelled	Description	Colour	Punched Header/Location
				Box 4
MASS V6	MASS V6 14-12-80 with checksum 1;n;2	Assembler	White	None Impex box
MASS V6	MASS V6 Untested 2 copies rolled together	Assembler	White	None Box 4

2. Other Tapes

2.1. Programs

Programs developed by myself when learning to programme the Modular one in 1980-81. Some programs were directly written in machine code, later an assembler was used, but at the time of writing this I cannot remember which version of the assembler I used.

The Menu tapes track the progress of the development of the Menu application from December 1980 to June 81.

Name	Labelled	Description	Colour	Location
Menu V1	Dated 24-12-80 MENU V1 0;0;6;	Menu Application	White	Box 4
Menu	Dated 31-12-80 With checksum	Menu Application	White	Box 4
Menu V1	Dated 31-12-80 MENU V1 Z Seg Messages 0;0;6;	Menu Application	White	Box 4
Menu V2	Dated 6-1-81 1;1;6;	Menu Application	White	Box 3
Menu	Dated 18-1-81 MENU 1;3;6 A, B, E	Menu Application with A, B and E implemented	White	Box 4
Menu	Dated 14 Jan 81 1;1;6 MENU with List	Menu Application	White	Box 3
Menu	Dated 20-1-81 1;3;6	Menu Application	White	Box 3

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Name	Labelled	Description	Colour	Location
	ABC & E			
Menu	Dated 23-2-81 2;11;6 working up to juggle	Menu Application	White	Box 4
Menu	Dated 14-2-81 1;11;6 ABCE 39 Recipes	Menu Application	White	Box 4
Menu	Dated 23-4-81 2;20;6 with Rec	Menu Application	Pink	Impex box
Menu	Dated 11-3-81 2;1;6; No Recipes	Menu Application	White	Box 4
Menu	Dated 19-5-81 Menu Separate Data 2;20;6	Menu Application that stores recipe data on a separate tape	Pink	Box 2
Menu	Dated 29-5-81 2;20;6	Menu Application	Pink	Impex box
Menu	Dated 30-6-81 2;20;6	Menu Application	Pink	Impex box
GOUT	Table Program 1;1;1; Gout 21-2-81	Simple program for outputting text to console	White	Impex box
GOUT + Z	Gout + Z	Simple program for outputting text to console	Pale blue	Box 2
GOUT + Y + Z	Gout + Y + Z	Simple program for outputting text to console	Pale blue	Box 4
DONG	DONG	Simple Program to write values to memory	Pale Blue	Box 2

2.2. Other

Name	Labelled	Description	Colour	Location
Recipes Data	Dated 26-5-81	Data for Recipe App.	Pink	Impex box

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Name	Labelled	Description	Colour	Location
tape	Recipes data			
Source	Source	Source tape for short program?	Pink	Box 2
EDIT	EDIT		Pink	Box 2
MOO	MOO 1;1;3;		Orange	Box 3
COPY	COPY		Orange	Box 4
O.P.T.	O.P.T.		Orange	Box 4
Page 3 of MASS description	Page 3 of MASS description	Page 3 of MASS description	White	Box 4
BTM 8K 1.24 CH3	BTM 8K 1.24 CH3		Pink	Box 4

2.3. Unknown

Name	Labelled	Description	Colour	Location
	Found with spare boards	In envelope	Pale green	Box 4
Unknown	Found in Impex box	May be a torn tape	Pink	Impex box
Unknown 2	Found in box 2	May be a torn tape	Pink	Box 2
Unknown 3	Found in box 2		Orange	Box 2
Unknown 4	Found in box 3		Black	Box 3
Unknown 5	Found in box 3		Pale Blue	Box 3
Unknown 6	Found in box 4		Orange	Box 4
Unknown 7	Found in box 4		Orange	Box 4
Unknown 8.1, 2 & 3	Found in box 4	Three tapes rolled together that appear to be identical	Pale Blue	Box 4