

Mégarom T.2

User Manual

Version 1.0

Introduction

Thank you for purchasing a Mégarom T.2, which we hope will give you satisfaction for many years.

The Mégarom T.2 is a MEMO7 cartridge compatible with all the machines of the 8-bit Thomson TO family: T9000, TO7, TO7/70, TO8, TO8D, TO9, TO9+.

It provides a 2 MB persistent and rewritable flash memory space that can be used freely by the user. These 2 MB are accessed through 128 banks of 16 KB each, in the cartridge space of the machine (\$0000- \$3FFF).

The Mégarom T.2 is 100% backward compatible with the Mégarom T.1 and all commercial software distributed in MEMO7 format, including 32 and 64 KB multi-bank software (e.g. Microsoft® BASIC 128).

It can also be used to develop and / or distribute software that requires up to 2 MB of ROM space.

Package Contents

The package contains a ready-to-use printed circuit board and a self-adhesive label for the MEMO7 case. The MEMO7 case is not supplied.

The board comes preloaded with a compilation of various software.

Getting Started

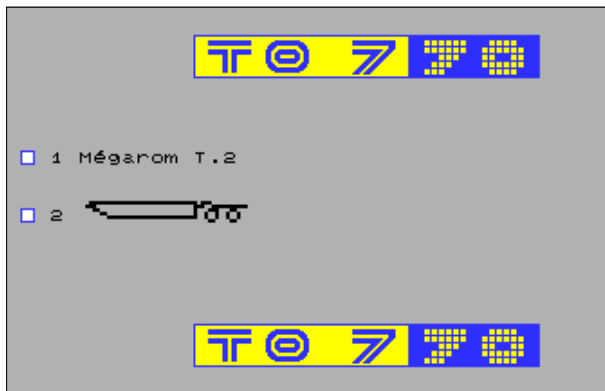
1. Insert the board into a MEMO7 case so that the edge connector remains visible.
2. Insert the cartridge into your machine. On T9000, TO7 and TO7/70, it is recommended to switch off the machine before inserting the cartridge. On TO8/8D/9/9+, hot-plug is possible. A reset will be necessary in this case to make the Mégarom T.2 appear in the startup menu.
3. With the standard image preloaded, the startup menu will appear as follows:



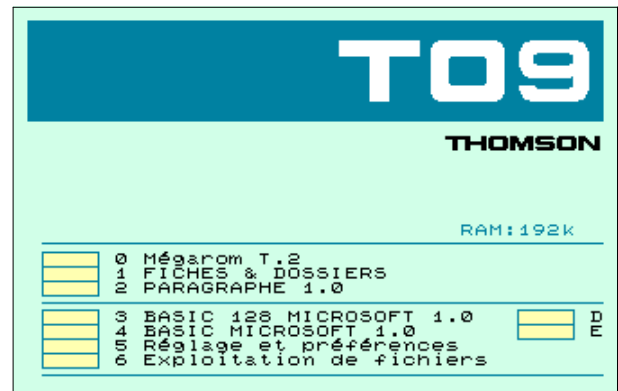
T9000



T07



T07-70



T09



T08



T08D



T09+

4. Select option 1 on T9000, TO7 and TO7/70 and 0 on TO8/8D/9/9+.
5. With the standard image preloaded, the T.2 selection menu appears. The list of available applications may vary depending on the host machine (only compatible software is displayed):



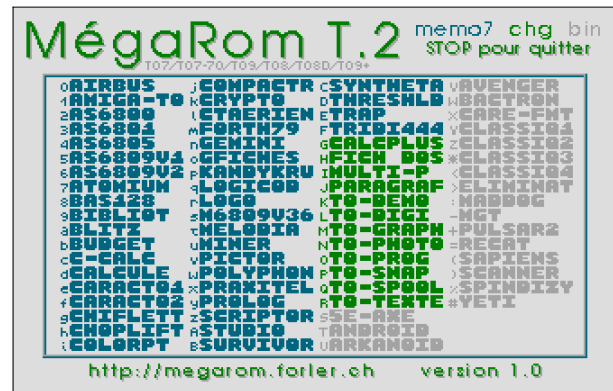
T9000, TO7



TO7/70



TO9



TO8, TO8D, TO9+

6. Select the desired application with the corresponding key.
7. The selected application is launched.

Going Back to the Main Menu

When the reset button (init. prog.) is pressed, the computer returns to its startup menu. With the standard image preloaded in the Mégarom T.2, two situations are possible:

- a short press on the button shows in the menu the last selected application (MEMO7 only)
- a long press (more than 2 seconds) brings up the Megarom T.2 in the menu. It is thus possible to change the application without turning the machine off and on again.

Applications Provided in the Standard Image

The standard image version 1.0 contains the following applications:

Title	Type	TO7 / T9000	TO7/70	TO9	TO8/8D/9+
Airbus	MEMO7	✓	✓	✓	✓
Amiga-TO v3.2	MEMO7				✓
Assembleur 6800	MEMO7	✓	✓	✓	✓
Assembleur 6801	MEMO7	✓	✓	✓	✓
Assembleur 6805	MEMO7	✓	✓	✓	✓
Atomium	MEMO7	✓	✓	✓	✓
Blitz	MEMO7	✓	✓	✓	✓
Budget familial	MEMO7	✓	✓	✓	✓
Colorcalc	MEMO7	✓	✓	✓	✓
Calculatrice	MEMO7	✓	✓	✓	✓
Caractor	MEMO7	✓	✓	✓	✓
Caractor II	MEMO7	✓	✓	✓	✓
Choplifter	MEMO7	✓	✓	✓	✓
Colorpaint	MEMO7		✓	✓	✓
Compactor	MEMO7	✓	✓	✓	✓
Crypto	MEMO7	✓	✓	✓	✓
Contrôle aérien	MEMO7	✓	✓	✓	✓
Des chiffres et des lettres	MEMO7	✓	✓	✓	✓
Forth 79 S.E.F.I. v1.0	MEMO7	✓	✓	✓	✓
Gemini	MEMO7	✓	✓	✓	✓
Gérez vos fiches	MEMO7	✓	✓	✓	✓
Gérez votre bibliothèque	MEMO7	✓	✓	✓	✓
Kandy Krush Java	MEMO7	✓	✓	✓	✓
Logicod	MEMO7	✓	✓	✓	✓
LOGO S.O.L.I v1.0	MEMO7	✓	✓	✓	✓
MacroAssembler v3.6	MEMO7	✓	✓	✓	✓
Mélodia	MEMO7	✓	✓	✓	✓
Microsoft® Assembler 6809 v1.0	MEMO7	✓	✓	✓	✓
Microsoft® Assembler 6809 v2.0	MEMO7	✓	✓	✓	✓
Microsoft® BASIC v1.0	MEMO7	✓	✓		

Microsoft® BASIC 128	MEMO7		✓		✓
Miner 2049er	MEMO7	✓	✓	✓	✓
Pictor	MEMO7	✓	✓	✓	✓
Polyphonia	MEMO7	✓	✓	✓	✓
Praxitèle	MEMO7	✓	✓	✓	✓
Prolog v1.0	MEMO7		✓	✓	✓
Scriptor	MEMO7	✓	✓	✓	✓
Studio	MEMO7		✓	✓	✓
Survivor	MEMO7	✓	✓	✓	✓
Synthétia	MEMO7	✓	✓	✓	✓
Threshold	MEMO7	✓	✓	✓	✓
Trap	MEMO7	✓	✓	✓	✓
Tridi 444	MEMO7	✓	✓	✓	✓
Colorcalc +	CHG				✓
Fiches & Dossiers	CHG				✓
Microsoft® Multiplan v1.07	CHG				✓
Paragraphe v2.0	CHG				✓
TO-Démo	CHG				✓
TO-Digi	CHG				✓
TO-Graph	CHG				✓
TO-Photo	CHG				✓
TO-Prog	CHG				✓
TO-Snap	CHG				✓
TO-Spool	CHG				✓
TO-Texte	CHG				✓
Androïdes	BIN		✓	✓*	✓*
Arkanoïd	BIN		✓	✓*	✓*
Avenger	BIN		✓*	✓*	✓*
Bactron	BIN				✓
Care Format	BIN				✓
Le 5 ^{ème} Axe	BIN		✓	✓	✓
Les classiques Titus vol. 1	BIN		✓	✓	✓
Les classiques Titus vol. 2	BIN		✓	✓	✓
Les classiques Titus vol. 3	BIN		✓	✓	✓

Les classiques Titus vol. 4	BIN		✓	✓	✓
Eliminator	BIN	✓	✓	✓*	✓*
Maddog	BIN		✓	✓	✓
Météo-7	BIN	✓	✓		
MGT	BIN				✓
Pulsar II	BIN	(✓)	✓	✓*	✓*
Recat v2.12	BIN				✓
Sapiens	BIN		✓	✓	✓
Scanner	BIN				✓
Spindizzy	BIN		✓	✓	✓
Yéti	BIN	(✓)	✓	✓*	✓*

(✓) 16 KB RAM expansion (EM90-016) mandatory.

✓* Joystick mandatory.

Differences Between MEMO7, CHG and BIN

In the standard image, there are three types of software storage: MEMO7, CHG, and BIN. Each type is symbolized by a different color in the menu of the Mégarom.

The MEMO7 type corresponds to applications usually provided in the form of a ROM cartridge. Once configured, such an application remains visible in the startup menu of the machine, option 1 on T9000/T07/T07-70 and 0 on TO8/8D/9/9+. The MEMO7 applications being run from the ROM, their code does not take up space in RAM.

The type CHG corresponds to the usual applications provided on floppy disks, only for TO8/8D/9+. These applications are thus loaded into RAM and can be called and managed through option 4, "Appel de programme" in the startup menu. After a reset, the last used CHG application appears as option 6.

The BIN type corresponds to free binary programs, loaded and executed in RAM.

Contact Information

For further information or questions, please visit the website <http://megarom.forler.ch>.

In particular, you will find all the technical information you need to develop your own software with the cartridge.

Document History

This user manual is available in its latest version on the website <http://megarom.forler.ch>.

Date	Revision	Comments
2018-08-30	1.0	First version
2018-09-30	1.1	New screenshots, updated application list, CHG technical details.
2018-10-06	1.2	New screenshots, updated application list.
2018-10-23	1.3	New screenshots, updated application list.
2018-11-06	1.4	New screenshots, updated application list.