

# USER MANUAL EMULATION



## REVELATION II

DE ULTIMATE RETRO CHESSCOMPUTER EXPERIENCE



- *Retro Prepared*
- *Superior Chess Engines*
- *DGT e-Board with LED lights*
- *Handcrafted Electronic Chess Pieces*

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## Introduction

Dear chess computer friend,

Congratulations with your purchase of the retro software engines and emulations for Revelation II. This retro software package enhances your Revelation II with the option to play against the great world championship's systems from the 1980's and 1990's. In those days the best programmers were cooperating with the great chess computer companies like Mephisto, Novag, Tasc, etc.

The retro software package includes many of those engines from the previous century and emulates the display and operation of those engines.

Thank you for choosing the Revelation II retro software package. We wish you many challenging and fun filled hours of chess!

## Modes of usage

For using the Retro Engines please choose Emulation usage mode.

The Revelation II is a versatile chess product and has some different usages:

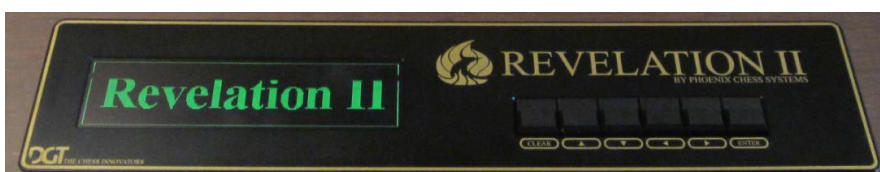
1. **Normal usage:** The Revelation II starts up in normal play mode. In this mode you can play against the native on-board chess engines in Revelation II. This is also the strongest playing mode as the native on-board engines can reach high ELO Ratings of up to 2800 and above.
2. **DGT e-Board transparent usage:** Revelation II starts up in a mode where it behaves like a regular DGT Bluetooth e-Board. For this usage you should install the drivers on your PC or Mac. This mode starts after holding the key ▲ just before the right below square h1 lights up until the system is completely started.
3. **Emulation usage:** If you acquired this additional feature you can play against emulations of the world championship winners from the 80's and 90's of the past century. This mode starts after holding the key ▼ just before the right below square h1 lights up until the system is completely started.

## Operation

### Starting up the system

Power is provided by a regulated 12 Volt power adapter. It is strongly recommended to only use the provided adapter. For power outlets that are used in almost all countries there is a pin converter present. The adapter accepts mains voltages from 90 – 240 Volts.

Revelation II will start up automatically when the power connector is inserted. The system shows all 81 LEDs very shortly in sequence as a test and then shows the Revelation II splash screen.



Revelation II then will show the lower line of LEDs to indicate different stages of starting. The LED right below square h1 indicates that the system has started in a correct manner. If you push key ▼ just before it reaches h1 you will start Revelation II in its Emulation Mode.

This screen is the screen where you can select an engine. The Engines DIA, SEB, SEC and GLA are only enabled on request and if you can give proof to Phoenix Chess Systems that you already own a Diablo, Super Expert B, Super Expert C or the Glasgow software.



## Powering down the system

You can switch off Revelation II when in playing mode by selecting OFF and holding this for 2 - 3 seconds after which the system will shut down to standby. The display is dimmed, and the LED left below square a1 indicates that the system has shut down.

Revelation II will start up again from this situation in normal usage if you hold **ENTER** during 1 -2 seconds.

If you choose the OFF function and the LED in the bottom left corner is the only one that lights up, then you can safely disconnect the power connector.

## Information and settings

There are 6 keys on the front panel. From left to right they are called **CLEAR**, **▲**, **▼**, **◀**, **▶** and **ENTER**.



## The graphics display

The opening screen says it all. The emulation contains all World Champion Emulations from Richard Lang and from Ed Schröder based upon the original eproms.



Due to copyrights the DIA, SEB, SEC and GLA emulations are not included. If you have Eprom images of these programs you can request Phoenix Chess Systems to enable these emulations.

Included are:

- Almeria, Portorose, Lyon, Vancouver and London programs by Richard Lang;
- Amsterdam, Dallas and Roma programs by Richard Lang;
- Rebel, MMIV, MMV (version 5.0), MMV (Version 5.1), Polgar 5 Mhz and Polgar 10 Mhz programs by Ed Schröder.

At the request of some of the world's top collectors the layout is like the original modules as in an Exclusive board from Mephisto. The emulated display is in the left side of the screen and the emulated keyboard is in the right side of the screen.

### Selecting Emulations

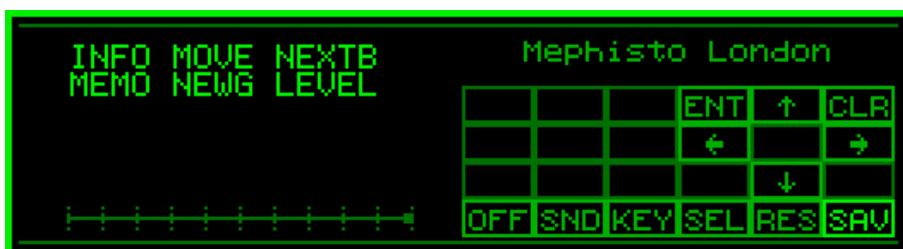
In the opening screen you can select with the cursor keys the emulation to start. As an example in the next screen the London emulation is shown. You see the original display and the corresponding keys.



With the general key OFF, you switch off the module set as explained earlier. With KEY you can switch to native keyboard mode. With SND you can toggle between Sound and No Sound. With SEL you can select a new emulation. RES resets the current emulation. With SAV you can save the current state of the Vancouver alike emulations (only these can be saved).

### Playing Emulations

After using the cursor keys to select which emulation to start, you will see the emulation in action. In the following examples some different emulations and layouts are shown.



Mephisto London



Mephisto Polgar



Mephisto Roma



## Native vs Emulated Keyboard mode

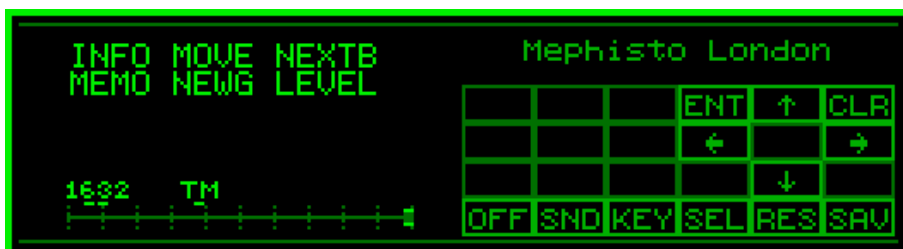
The emulated keyboard is visible on the right side of the graphics display. When you use the emulated keyboard you can use the ▲, ▼, ◀, ▶ keys to select a key you wish to press in the emulation. By pressing **ENTER** the emulator will accept the selected emulated key for the emulation.

You can however in the Almeria, Portorose, Lyon, Vancouver and London programs by Richard Lang use 'native keyboard' mode. If you select KEY you will enter this mode in which the 6 keys from the Revelation II behave exactly like the real keys in these emulations. You can exit this 'native' mode by holding CLR for more than two seconds (you will hear a beep). You will then return to the 'emulated keyboard' mode.



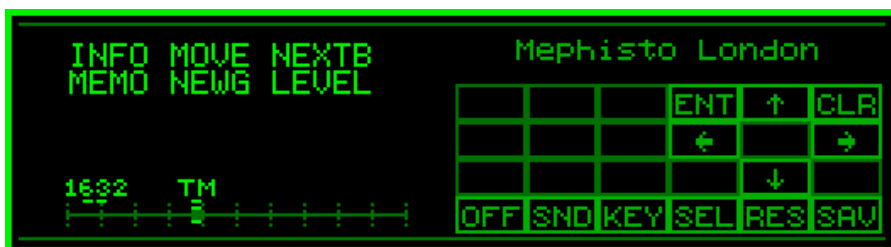
## Speed Bar

The Emulations in Revelation II can be set to run at a certain speed. When you are in the 'emulated keyboard' mode and you press ▼ a number of times, then you will see the speed bar light up. In effect this mode is part of the emulated keyboard, as when you press ▲ you will go back to the emulated keys in the emulated keyboard.



When the speed bar is highlighted you see that the slider is in the far right position, indicating the emulation is limited to the maximum speed available for this emulation.

When you use ◀ and ▶ you can set the maximum speed for the emulation. In the Almeria, Portorose, Lyon, Vancouver or London emulations you will see the 16, 32 and TM position indicating a speed like a 16 bit module, a 32 bit module and the tournament machines. As you can see the emulations can run faster than the originals. The Almeria, Portorose, Lyon, Vancouver or London Emulations reach the level of the Tournament Machines at 66 MHz.



The same applies for the emulations based upon a 65c02 processor. Here you can see the original speeds for the 65c02 based module sets.

# Specifications

## EMULATION

Motorola 68000 processor  
Rockwell 65c02 Processor

## DGT SENSOR BOARD

Individual Piece Recognition  
Innovative LED Lights

## RETRO CHESS ENGINES

Programmer Richard Lang

*Almeria*

*Portorose*

*Lyon*

*Vancouver*

*London*

*Amsterdam*

*Dallas*

*Roma*

Programmer Ed Schröder

*Rebel*

*MMIV*

*MMV*

*Polgar*



THE CHESS INNOVATORS

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