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Lyon 68020 ^[1]

Mephisto Lyon,

a set of [dedicated chess computer modules](#) by [Hegener & Glaser](#) for their [Mephisto module systems](#) with a program by [Richard Lang](#), the successor of [Mephisto Portorose](#). After Lang's sixth consecutive [World Microcomputer Chess Championship](#) title as member of the Mephisto team at the [WMCCC 1990](#) in [Lyon](#), the modules were released in late 1990. Notable was the [draw by reputation](#) versus runner-up [Échec 1.9](#). Already earlier in November 1990, the Lyon had its debut at [ACM 1990](#), becoming co-champion shared with [Deep Thought](#). It further played the [Harvard Cup 1991](#) with less success, and the [Aegon 1991](#).

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Improvements

Improvements of the Mephisto Lyon over the Portoroze were due to an enhanced [selective search](#) with narrower but deeper [search trees](#), the application of [singular extensions](#), and [capture extensions](#) if entering the [pawn endgame](#). Further, Mephisto Lyon has more knowledge to distinguish strong versus weak [passed pawns](#), and the [opening book](#) was further extended to more than 100,000 moves within 13,000 variations

Versions

Three Lyon versions were shipped - with [68000](#) and [68020](#) processor, and the limited edition Mephisto Lyon [Tournament machines](#) with [68030](#) processor.

Processor	MHz	ROM [Kib]	RAM [Kib]
68000		12	128
			512
68020		12	128
			1024
68030 TM		36	128
			2048
			-8192

See also

- [Demonology](#)
- [Draw by Reputation](#)
- [Mephisto Portoroze](#)
- [Mephisto Vancouver](#)

Manuals

- *Mephisto Lyon 16 / 32 bit*. [pdf](#) hosted by [Alain Zanchetta](#)

Publications

- [Eric Hallsworth](#) (1991). *The New Mephisto Lyon*. [Selective Search](#) 32, pp 17, [pdf](#) hosted by [Mike Watters](#)

Forum Posts

- [Collectors Corner: Mephisto Lyon 68000 v. Novag Star Diamond](#) by Chuck, [CCC](#), November 14, 2005 » [Novag Star Diamond](#)
- [Master chess v.s Emulated mephisto Lyon](#) by Ricardo Rodulfo, [Hiarcs Forum](#), February 10, 2012
- [Figurensatz Mephisto Lyon abzugeben](#) by [Ingo Althöfer](#), [CSS Forum](#), August 05, 2015 (German)

External Links

- [Mephisto's ICGA Tournaments](#) (including Lyon)
- [Comp Mephisto Lyon chess games - 365Chess.com](#)
- [Mephisto Munchen Lyon 68020](#) from [Chess Computer UK](#) by [Mike Watters](#)
- [Mephisto Almeria Turniermaschine](#) from [Chess Computer UK](#) by [Mike Watters](#) » [Mephisto Almeria](#)
- [Module Lyon16 Bit](#) from [The Spacious Mind](#)
- [Module Lyon32 Bit](#) from [The Spacious Mind](#)
- [The 3-Hirn Setting and its Variants in Chess](#) by [Ingo Althöfer](#)
- [Mephisto Lyon 68000](#) from [Schachcomputer.info Wiki](#) (German)
- [Mephisto Lyon 68020](#) from [Schachcomputer.info Wiki](#) (German)
- [Mephisto TM Lyon](#) from [Schachcomputer.info Wiki](#) (German)
- [Mephisto Lyon](#) from [Kurt's Schachcomputer Homepage](#) by [Kurt Kispert](#) (German)
- [Lyon 68020 Games - vm1991.pgn](#) by [Kurt Utzinger](#) (German)

References

1. [^] [Lyon 68020](#) from [Mephisto | Photo collection](#) by [Chewbanta](#)
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