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Sapphire I with magnetic chess board <sup>[2]</sup>

**Novag Sapphire**, a portable [dedicated chess computer](#) by [Novag](#) with a [Hitachi H8](#) 8-bit [microcontroller](#), running a program based on [WChess](#) by [David Kittinger](#) in 64 KiB of [ROM](#) using 129 KiB of [RAM](#) including 118 Kib for [transposition tables](#) <sup>[1]</sup>. The pocket computer was released in 1994, along with the desktop **Diamond** version with a pressure [sensory board](#) and the same program. Sapphire and Diamond both support the [Novag Universal Electronic Chess Board](#), and were members of the [Novag Super System](#).

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## Novag Sapphire II

The Novag **Sapphire II** and **Novag Diamond II**, released in 1997 used faster clock frequency and a improved [WChess](#) software in 160 KiB [ROM](#) in almost the same housing.

## See also

- [Novag Citrine](#)
- [Novag Star Diamond](#)
- [Novag Super System](#)
- [Novag Universal Electronic Chess Board](#)
- [WChess](#)

## Forum Posts

- [Question about Novag Diamond](#) by Amstaff, [CCC](#), May 20, 2007
- [Novag Star Sapphire vs Sapphire vs Sapphire II](#) by Vonderlasa, [Hiarc Forum](#), May 06, 2012
- [The Portable Collector: Novag Sapphire II Portable Wood](#) by SirDave, [Hiarc Forum](#), October 07, 2013
- [Novag Sapphire2 Chess Computer](#) by 7Chessfan7, [Hiarc Forum](#), March 08, 2014
- [Novag Sapphire vs. Magnus Carlsen](#) by Vonderlasa, [Hiarc Forum](#), March 01, 2015 » [Play Magnus](#)

## External Links

### Chess Computers

- [Novag Sapphire Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Novag Diamond Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Novag Sapphire II Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Novag Diamond II Electronic Chess Computer](#) from [The Spacious Mind](#)
- [Inside the Novag Sapphire II](#) by Richard Tervo
- [Novag Diamond](#) from [Schachcomputer.info Wiki](#) (German)
- [Novag Sapphire](#) from [Schachcomputer.info Wiki](#) (German)
- [Novag Sapphire II](#) from [Schachcomputer.info Wiki](#) (German)
- [Novag Diamond II](#) from [Schachcomputer.info Wiki](#) (German)
- [Novag Sapphire II de Luxe](#) from [Schachcomputer.info Wiki](#) (German)
- [Novag Sapphire, Universalboard](#) from [Kurt's Schachcomputer Homepage](#) by [Kurt Kispert](#) (German)
- [Novag Sapphire II](#) from [Kurt's Schachcomputer Homepage](#) by [Kurt Kispert](#) (German)

### Misc

- [Diamond from Wikipedia](#)
- [Sapphire from Wikipedia](#)

## References

1. ^ [Novag Sapphire](#) from [Schachcomputer.info Wiki](#) (German)
2. ^ [Sapphire I](#) from [Novag | Photo collection](#) by [Chewbanta](#)

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