



NOVAG®

Chesscomputer

Symphony

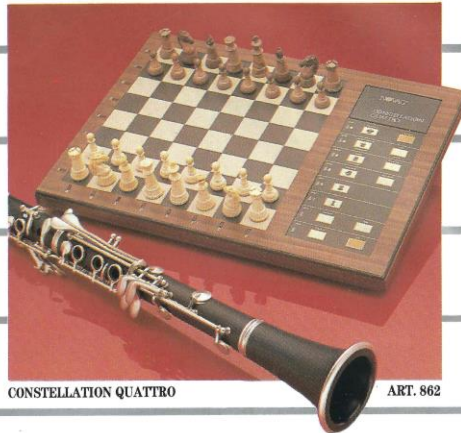


Novag brochure 1986 – Chesscomputer Symphony

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PICCOLO



CONSTELLATION QUATTRO



CONSTELLATION J

**THE NOVAG CONSTELLATION SERIES
CONTINUES ITS REMARKEABLE PROGRESS!!!**

1983 was the start of the NOVAG CONSTELLATION SERIES (program). In each class CONSTELLION programs keep what they promise - an extremely favourable PRICE/PERFORMANCE RATIO. Their successful predecessors have proved this.

Constellation Junior 

The successful CONSTELLATION range is enlarged by the CONSTELLATION JUNIOR which introduces a new Constellation program. This model is a challenging partner for good players, but also a tutor for novices. It plays extremely fast and strong games and can store games in its Memory even if the chess computer is switched off. An elegant, extra slim sensor board with magnetic chess pieces ensures an enjoyable game.

Constellation Quattro 

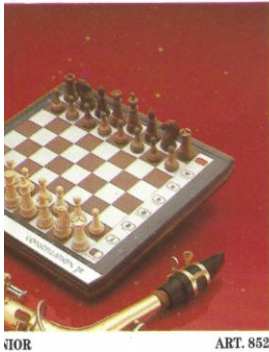
One of NOVAG'S top models. Its performance ranges among those of top-level world class players. A 16K program with 16 playing levels offers superior fast play and human-like understanding of positions. It has an elegant, large chess board with fine magnetic STAUNTON chess pieces. Its PRICE/PERFORMANCE RATIO is outstanding. Better players finally have a true opponent in this chess computer.

Prelude 

A SMALL EASY-TO-CARRY chess computer - IRRESISTIBLE and AFFORDABLE TOO!. A surprisingly strong program with 8 skill levels can be very easily operated by a keyboard. The LCD-Display shows clearly all moves and information. Energy-saving CMOS technology is used to reduce the consumption and therefore allows a longer play with batteries.

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Constellation Junior – Constellation Quattro – Prelude

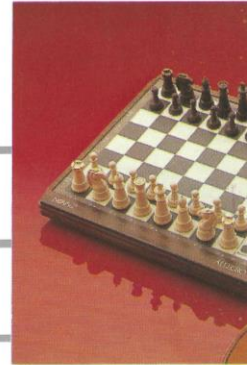
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FORTE ART. 852



CONSTELLATION EXPERT ART. 853



ALLEGRO

Constellation Forte



"NOVAG SUPER CONSTELLATION outclasses competitors" This was only one headline in 1984/85 about its extraordinary success story. The SUPER CONSTELLATION is the only chess computer awarded with an official ELO rating of 2.018 points.

The chess computer that Masters waited for is now available. The CONSTELLATION FORTE, the enhancement of the SUPER CONSTELLATION, has a stronger program of 64 KByte and a larger broad range of functions including an LCD display. The NOVAG printer and quartz clock can easily be connected and offer a whole range of application and analysis facilities. A beautiful, large chessboard with STAUNTON chess pieces will suit all requirements a chess player has.

Piccolo



The chess computer with all the preferences of the PRELUDE, but which offers the optimum input with a SENSOR board.

Constellation Expert



For the chess connoisseur. For many years customers have wanted to have a NOVAG chess computer with a super strong program, superior fast play and human-like understanding of positions. NOVAG offers all these functions and many more additions including an exclusive, deluxe, large wooden board with hand-carved wooden pieces for those players who are connoisseurs of chess. 29 playing levels and a broad range of functions suit all players - novices or masters.

Allegro



The handy, reliable chess computer with a large SENSOR-board and magnetic chess pieces. The ideal chess partner at home and for travelling. 8 skill levels, 1 tournament level, solve mate and many more functions make the ALLEGRO a challenging partner for good players. This chess computer will surprise you with its extremely favourable price/performance ratio.

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Constellation Forte – Piccolo – Constellation Expert – Allegro

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ART. 863



CONSTELLATION FORTE

ART. 864



PRELUDE

ART. 861

NOVAG CHESS COMPUTER TERMINOLOGY

The **PROGRAM**: NOVAG's unique programing method stores more information and therefore stronger programs on every chip.

MOVE INPUT: NOVAG offers 3 different possibilities. The economical input - with **KEYBOARD**. The optimum input - with **SENSOR** board. The luxury input - with **MAGNETIC SENSOR** board.

PLAYING LEVELS enable every player to adjust the computer's playing strength to their needs.

NOVAG's **OPENING BOOKS** are one of the largest and contain the most successful openings of the world's best chess players. Our large opening books contain many variations and so provide a more challenging game.

TAKE BACK allows withdrawal of moves or withdrawal of the entire game.

BOARD VERIFICATION is possible at any time.

SOLVE MATE is a special mode which is a great help for every player. Exercise positions can be found in newspapers and magazines.

AUTOPLAY is only available in a few chess computers. The computer will play against itself. Novices and master players can watch the game and carry out an in-depth analysis.

EARLY CHECKMATE ANNOUNCEMENT indicates in how many moves the computer will checkmate its opponent.

DEPTH SEARCH and **MAX. DEPTH SEARCH** are shown in half moves.

ENDGAME CAPABILITIES are necessary to win the game. **CONSTELLATION FORTE** and **EXPERT** programs can even force a mate with Bishop and Knight.

If the computer sees no way to win the game it will **RESIGN AUTOMATICALLY**. However, the game can be finished if so desired.

PLAYER/PLAYER: Allows 2 parties to play with full legality check. The computer, however, can be called on at any time to give hints.

HINT mode suggests or indicates all legal moves in a situation. This special mode is very helpful for novice players as well as master players.



The **NOVAG PRINTER** records games, positions every move, Queen's/King's castling, capture, capture en passant, check, stalemate, draw together with the draw condition, check mate, board position and many more while a game is in progress. It also prints the time either after each move or after 10 moves as well as the total time after each game for both sides. The brilliancy of a chess game can easily be stored thanks to the **NOVAG PRINTER**.

The **NOVAG QUARTZ CHESS CLOCK** runs with a precision of $\pm 1/100$ second. It suits tournament play and can be set individually for each player's requirements. The clock can be used with or without a **NOVAG** chess computer.

Novag brochure 1986 – Chess Computer Terminology

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NOVAG Chess Computer in Comparison	PRELUDE	PICCOLO	ALLEGRO	CONSTELLATION JUNIOR	CONSTELLATION QUATTRO	CONSTELLATION FORTE	CONSTELLATION EXPERT
Micro Processor	Single Chip	Single Chip	Single Chip	Single Chip	6502 (8 Bit)	6502 (8 Bit)	6502 (8 Bit)
Program Capacity	2 KByte	2 KByte	2 KByte	4 KByte	16 KByte	64 KByte	64 KByte
Clock speed	6 Mhz	6 Mhz	6 Mhz	1 Mhz	4 Mhz	4 Mhz	4 Mhz
Move Input	Key Board	Sensor Board	Sensor Board	Sensor Board	Sensor Board	Sensor Board	Magnetic Sensor Board
Move Display	LCD-Display	16 LEDs	16 LEDs	16 LEDs	16 LEDs	16 LEDs	64 LEDs
Playing Levels	8	8	8	8	16	29	29
Tournament Levels			1	2	5	14	14
Training Levels					8	14	14
Analytic Levels					1	1	1
Blitz Levels					2	2	2
Opening Book	under 100 variations	under 100 variations	under 100 variations	under 100 variations	4000 half moves	over 20.000 half moves	over 22.000 half moves
Programable/selectable Opening Book						2000 half moves	Gambit/Turnier
Take back	X	X	X	X	X	X	X
Board Verification	X	X	X	X	X	X	X
Solve Mate up to max.	mate-in-3	mate-in-2	mate-in-2	mate-in-3	mate-in-12	mate-in-14	mate-in-14
Random Selector	X	X	X	X	X	X	X
Memory				X		X	X
Autoplay					X	X	X
Early checkmate announcement					X	X	X
Depth Search					16 half moves	27 half moves	27 half moves
Max. Depth Search					16 half moves	20 half moves	20 half moves
Endgame capabilities					X	X	X
Resigns automatically					X	X	X
Player/Player					X	X	X
Hint					X	X	X
Game replay						X	X
Game evaluation						X	X
LCD-Display	X					X	
Chess Clock connection						X	X
Printer connection						X	X
PC connection						X	X
Operation	Battery	Battery	Adaptor/Battery	Adaptor/Battery	Adaptor/Battery	Adaptor/Battery	Adaptor
Approx. measurements	18.5 × 13.5 × 3 cm	18.5 × 13.5 × 3 cm	26 × 24.3 × 2.3 cm	26 × 24.3 × 2.3 cm	42.3 × 27.8 × 4.8 cm	42.3 × 27.8 × 4.8 cm	47.5 × 40 × 5.5 cm
Suitable for:							
Masters/Tournament Players					X	X	X
Strong-/Club Players				X	X	X	X
Advanced Players			X	X	X	X	X
Novices	X	X	X	X	X	X	X

Exclusive Agents and Distributors:

Australia: Englander Imports, 632 Bourke Street, Melbourne 3000, Victoria
Great Britain: Eureka Electronics Ltd., 26 Castle Street, Brighton, East Sussex, BN1 2HD England
Netherlands: Electronics Nederland BV, Tjijmuiden 15-19-1046 AK, Postbus 61053 — 1005 HB, Amsterdam - Holland
Denmark: Nova Corporation Ltd., Gl. Kongevej 3, 1610 Copenhagen V
Singapore: Anthony Chng Enterprises, 100 Eu Tong Seh Street, # 02-11 Pearl's Centre, Singapore 0105
Hong Kong: Maxpro Int'l (H.K.) Ltd., Block 2, Unit No. V15/F1., S.T.T.L. 65-66, Kinho Ind. Bldg., Shatin.
USA: Institutional Computer Development, 2951, Merrick Road, Bellmore, N.Y., 11710, The Players, 1710 Silver Lake Blvd., Los Angeles, Cal. 90026
U.S. Chess Federation, 186 Route 9W, New Windsor, NY 12550,
Canada: Knight Moves, 507 Elmira Road, Guelph, Ontario N1K 1C2
Cervo 2000, 370 East, Jean-Talon Suite 2000, Montreal, Quebec H2R 1T3
Japan: Japan Chess Association, Kamata 2-17-7, Tokyo 144
New Zealand: New Zealand Chess Supplies, P.O. Box 42090, Homedale, Wainuiomate



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Novag brochure 1986 – Novag Chess Computers in Comparison
Prelude – Piccolo – Allegro – Constellation Junior
Constellation Quatro – Constellation Forte – Constellation Expert
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Since 1977, NOVAG has proven its pioneer spirit and concern for Technological Advance and Consumer Satisfaction. NOVAG's entire line of chess computers and compatible accessories, with the accent on simple operation, is beyond doubt the most sophisticated and exciting one to date, and yet it remains competitively priced.

NOVAG Chess Computers were the champions in many world class tournaments. These results have made NOVAG the leader in Chess Computer Technology. Novices, Advance-, Club- and Masterplayers in over 25 Countries enjoy playing with NOVAG Chess Computers.

All things considered and bearing in mind the value for money, at present there is simply no alternative to NOVAG CHESS COMPUTERS.

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