

**09-1982 [A-3160] CXG - Advanced Portachess (black and silver edition)**

Van de Advanced Portachess zijn er enige verschillende uitvoeringen op de commerciële markt gezet. Ik zet ze even op een rij met mijn persoonlijke toevoeging tussen haakjes:

- **CGL Computachess Travel Sensory** (gold edition)
- **CXG Advanced Portachess** (black and silver edition)
- **CXG Advanced Portachess** (red edition)
- **CXG Advanced Portachess** (gold edition)
- **Hanimex Computachess II** (HCG 1600) (black and silver edition)
- **Hanimex Computachess II** (HCG 1600) (gold edition)
- **Hanimex Computachess III** (HCG 1700) (black and silver edition)
- **Multitech Computachess II** (CC 002) (black and silver edition)



Wanneer zijn deze verschillende modellen op de commerciële markt verschenen? Ik heb via het internet een klein onderzoek gedaan en daaruit blijkt dat diverse bronnen met verschillende verschijningsdata komen. De juiste gegevens boven water halen is niet eenvoudig!

<http://www.chesscomputeruk.com/html/timeline.html> (old information!) **CXG Advanced Portachess - Release: 1985 (?)**

<https://tluif.home.xs4all.nl/chescom/AdvPortach.html> **CXG Advanced Portachess (red edition) - Release: 1982 (!)**

<https://tluif.home.xs4all.nl/chescom/computach2.html> **Hanimex Computachess II (HCG 1600) - Release: (?)**

[https://www.schach-computer.info/wiki/index.php?title=CXG\\_Advanced\\_Portachess](https://www.schach-computer.info/wiki/index.php?title=CXG_Advanced_Portachess) **CXG Advanced Portachess - Release: 1985 (?)**

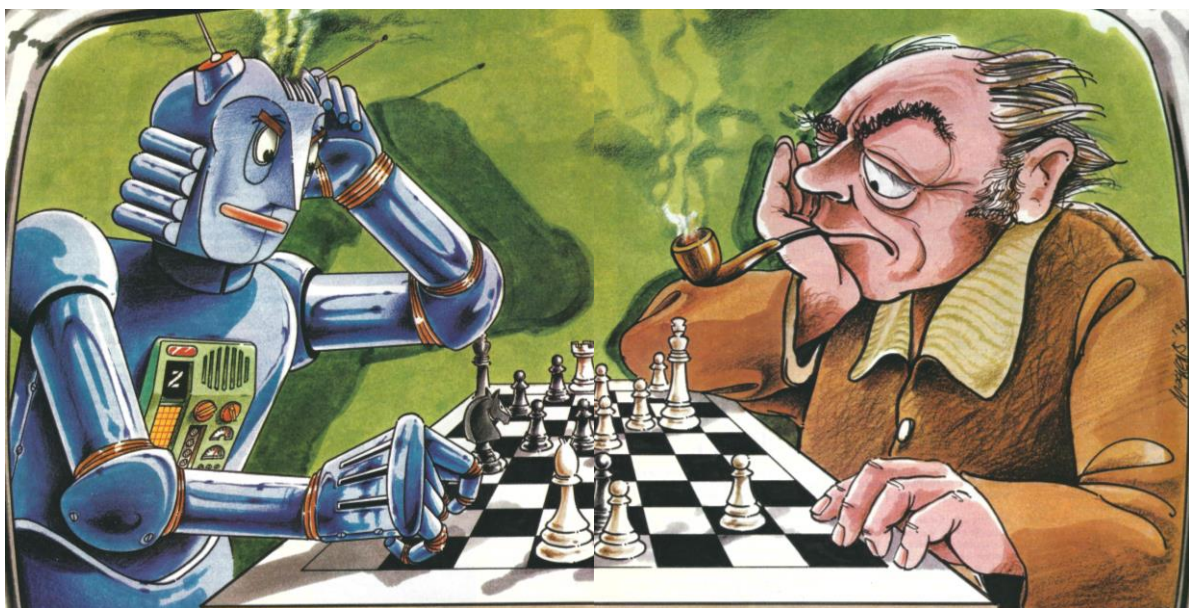
[https://www.schach-computer.info/wiki/index.php?title=Hanimex\\_HCG\\_1600](https://www.schach-computer.info/wiki/index.php?title=Hanimex_HCG_1600) **CXG Advanced Portachess - Release: 1982 (!)**

<http://electronicchess.free.fr/prehistory.html> **CGL Computachess Travel Sensory - Release: 1982 (!)**

<http://www.blitzchess.fr/fr/jeuxdes7familles/cxg/index.html> **CXG Advanced Portachess - Release: 1982 & 1984 (??)**

<http://chesseval.com/BrandBoard/CXG-Brand.htm> **CXG Advanced Portachess - Release: 1982 & 1984 (??)**

<http://www.traumautoarchiv.de/SC/ListeKB.pdf> **CXG Advanced Portachess - Release: 1982 & 1984 (??)**





CXG-201

## CXG ADVANCED PORTACHESS

### 8 LEVEL PORTABLE CHESS COMPUTER

- Up to 8 levels of difficulty
- 500 hours of battery life using 4 penlite batteries (not included) — with memory save feature
- Computer plays many standard openings
- Castling, en passant, pawn promotion
- Play black or white
- Verify position
- Takeback moves
- Audible indication of moves by TONE (which can be turned off)
- Changing side in middle of game
- Plus many more challenging features

### ORDINATEUR JEU D'ECHECS PORTATIF A 8 NIVEAUX DE DIFFICULTE

- Jusqu'à 8 degrés de difficulté
- Durée des piles: 500 heures avec 4 piles (non-incluses) — Conservation de la mémoire
- L'ordinateur joue de nombreuses ouvertures standard
- Roque, capture en passant, échange des pions
- Possibilités de de jouer
- Vérification de la position
- Joue noir ou blanc
- Indication audible des coups par TONALITE (qui peut être éteinte)
- Changement de cote en cours de partie
- Plus beaucoup d'autres fonctions

### TRAGBARER SCHACH- COMPUTER MIT 8 SCHWIERIGKEITSGRADEN

- Bis zu 8 Schwierigkeitsgrade
- 500 Stunden Batterieleben bei Gebrauch, von 5 (nicht inbegriffen) Taschenlampenbatterien — mit Speicher Ausstattung
- Der Computer enthält eine Zahl geläufiger Schacheröffnungen
- Rochade, en passant, Bauernumwandlung
- Sie können schwarz oder weiss spielen
- Stellungskontrolle
- Rücknahme von Zügen
- Hörbare Angabe von Zügen durch Klangeffekte (Klangeffekte können abgestellt werden)
- Seitenwechsel während des Spieles  
Sowie viele andere interessante Ausstattungsmerkmale

### DRAAGBARE SCHAAK COMPUTER MET 8 NIVEAUS

- 8 Verschillend speel-sterkteniveau's
- Speelt 500 uur op 4 alkaline penlight batterijen (niet bijgeleverd) — met geheugenslag.
- Computer speelt de meest bekende boekopeningen.
- Rocheert, Slaat en-passant en promoveert.
- Speelt met zwart en wit.
- Positieverificatie.
- Neemt desgewenst zetten terug.
- Audio feed-back (kan uitgeschakeld worden).
- Tijdens het spel kan van kleur wroden gewisseld.



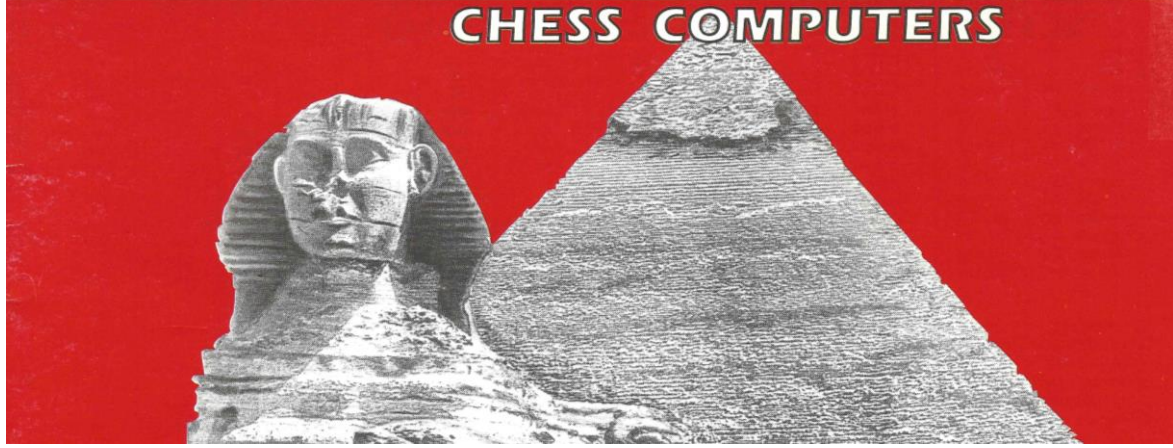
**CXG Advanced Portachess (black and silver edition) – CXG 201 – Release 1982**

(Source: CXG Newcrest Technology Ltd. Hong Kong) (photo copyright © by <http://www.schaakcomputers.nl/>) (600 dpi)



# SPHINX

## CHESSE COMPUTERS

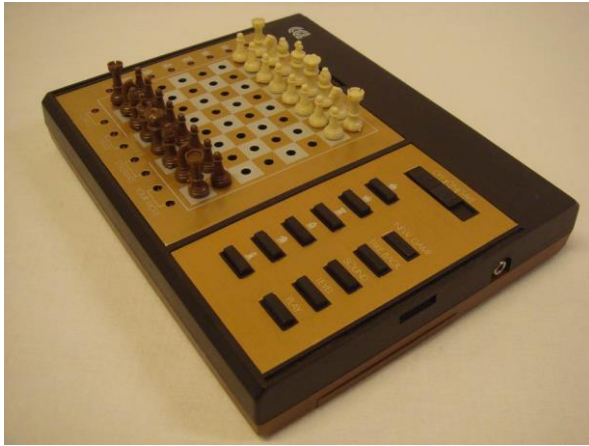


Model Name	Model No.	Estimated Program Rating	Microprocessor Type	Speed (Mega Hertz)	ROM Size (bit)	RAM Size (bit)	Levels	Solves Mate-in- Problems	Display Move under Consideration	Long Term Memory	Thinks in Opponent's Time
COMPUTACHESS	CXG-001	1100 +	4 bit single chip	0.70	2K × 10	128 × 4	16	—	—	yes	—
COMPUTACHESS II	CXG-002	1450	4 bit single chip	0.80	4K × 10	256 × 4	8	—	yes	yes	—
COMPUTACHESS III	CXG-008	1600	8 bit single chip	1.78	4K × 8	129 × 9	16	4	—	yes	yes
COMPUTACHESS I	CXG-022	1450	4 bit single chip	0.80	4K × 10	256 × 4	8	—	yes	yes	—
ADVANCED PORTACHESS	CXG-201	1450	4 bit single chip	0.80	4K × 10	256 × 4	8	—	yes	yes	—
PORTACHESS	CXG-202	1100 +	4 bit single chip	0.70	2K × 10	128 × 4	16	—	—	yes	—
ENTERPRISE 'S'	CXG-208	1600	8 bit single chip	1.78	4K × 8	128 × 8	16	4	yes	yes	yes
STARCHESS	CXG-209	1600	8 bit single chip	1.78	4K × 8	128 × 8	16	4	yes	yes	yes
SUPER ENTERPRISE	CXG-210	1900	8 bit single chip	2.00	16K × 8	2.25K × 8	44	12	yes	yes	yes
SUPER ENTERPRISE LCD	CXG-210C	1900	8 bit single chip	2.00	16K × 8	2.25K × 8	44	12	yes	yes	yes
ADVANCED STARCHESS	CXG-211	1900	8 bit single chip	2.00	16K × 8	2.25K × 8	44	12	yes	yes	yes
SUPER CROWN	CXG-218	1900	8 bit single chip	2.00	16K × 8	2.25K × 8	44	12	yes	yes	yes
PORTACHESS II	CXG-223	1100 +	4 bit single chip	0.70	2K × 10	128 × 4	16	—	—	yes	yes
COMPUTACHESS IV	CXG-227	1100 +	4 bit single chip	0.70	2K × 10	128 × 4	16	—	—	yes	—
CROWN	CXG-228	1600	8 bit single chip	1.78	4K × 8	128 × 8	16	4	yes	yes	yes
SPHINX GALAXY	CXG-230	2150-2200	8 bit 65C02-4 CPU	4.00	32K × 8	8K × 8	56	10	6 ply	yes	yes
PORTACHESS III	CXG-233	1450	4 bit single chip	0.80	4K × 10	256 × 4	8	—	yes	yes	—
SPHINX JUNIOR	CXG-237	1200 +	4 bit single chip	1.00	4K × 10	160 × 4	64	—	—	yes	—
SPHINX DOMINATOR	CXG-239	2150-2200	8 bit 65C02-4 CPU	4.00	32K × 8	8K × 8	56	10	6 ply	yes	yes
SPHINX ROYAL	CXG-240	1450	4 bit single chip	1.00	4K × 10	160 × 4	64	—	—	yes	—
ChessCard	CXG-241	1200	4 bit single chip	0.50	4K × 10	160 × 4	64	—	—	yes	—
CHESSE 3000	CXG-3000	1850	8bit 280 CPU	8.00	8K × 5	2K × 8	12	4	yes	—	yes
CHESSE 3008	CXG-3008	1900	8 bit single chip	2.00	16K × 8	2.25K × 8	44	12	yes	yes	yes
SPHINX COMMANDER	CXG-3018	2150-2200	8 bit 65C02-4 CPU	4.00	32K × 8	8K × 8	56	10	6 ply	yes	yes
SPHINX 40 +	CXG-3038	2150-2200	8 bit 65C02-4 CPU	4.00	32K × 8	8K × 8	56	10	6 ply	yes	yes
SPHINX 50 +	CXG-3048	2150-2200	16 bit 68000-8 CPU	8.00	32K × 16	64K × 16	Infinite	15	yes	yes	yes

Model Name	Model No.	Take Back Moves	Position Set-up	Position verification	Multi-Move	Hint	Chess Clock	Book Openings	User Programmable Library	Battery Operated	Typical Battery Life* (Hour)	Adaptor Option	Chess Board Type	Chess Board Size (mm)	Overall Size (mm) (Main unit) W × D × H
COMPUTACHESS	CXG-001	—	—	—	—	—	—	—	—	1 × 9V	100	yes	Sensory	80 × 80	175 × 120 × 25
COMPUTACHESS II	CXG-002	2	—	yes	—	—	—	—	—	4 × AA	250	yes	Sensory	205 × 205	250 × 325 × 53
COMPUTACHESS III	CXG-008	4	yes	yes	—	—	—	300	—	4 × AA	250	yes	Sensory	233 × 233	270 × 245 × 24
COMPUTACHESS I	CXG-022	2	—	yes	—	—	—	—	—	4 × AA	250	yes	Sensory	233 × 233	270 × 245 × 24
ADVANCED PORTACHESS	CXG-201	2	—	yes	—	—	—	—	—	4 × AA	250	—	Sensory	83 × 83	172 × 141 × 28
PORTACHESS	CXG-202	—	—	—	—	—	—	—	—	4 × AA	250	—	Sensory	83 × 83	177 × 121 × 28
ENTERPRISE 'S'	CXG-208	4	yes	yes	yes	yes	—	300	—	4 × AA	200	yes	Sensory	295 × 295	418 × 314 × 26
STARCHESS	CXG-209	4	yes	yes	yes	yes	—	300	—	1 × 9V	100	yes	Sensory	81 × 81	190 × 105 × 28
SUPER ENTERPRISE	CXG-210	120	yes	yes	yes	yes	yes	6000	250	4 × AA	200	yes	Sensory	295 × 295	418 × 314 × 26
SUPER ENTERPRISE LCD	CXG-210C	120	yes	yes	yes	yes	LCD × 2	6000	250	4 × AA	200	yes	Sensory	295 × 295	418 × 314 × 26
ADVANCED STARCHESS	CXG-211	120	yes	yes	yes	yes	yes	6000	250	1 × 9V	100	yes	Sensory	81 × 81	190 × 105 × 28
SUPER CROWN	CXG-218	120	yes	yes	yes	yes	yes	6000	250	4 × AA	200	yes	Sensory	233 × 233	320 × 298 × 24
PORTACHESS II	CXG-223	—	—	—	—	—	—	—	—	1 × 9V	100	yes	Sensory	81 × 81	190 × 105 × 29
COMPUTACHESS IV	CXG-227	—	—	—	—	—	—	—	—	4 × AA	250	—	Sensory	233 × 233	270 × 245 × 24
CROWN	CXG-228	4	yes	yes	yes	yes	—	300	—	4 × AA	200	yes	Sensory	233 × 233	320 × 298 × 24
SPHINX GALAXY	CXG-230	Whole	yes	yes	yes	yes	LCD × 2	8000	2000	4 × AA	15	yes	Sensory	295 × 295	418 × 314 × 26
PORTACHESS III	CXG-233	2	—	yes	—	—	—	—	—	1 × 9V	250	yes	Sensory	81 × 81	190 × 105 × 28
SPHINX JUNIOR	CXG-237	—	yes	yes	—	Threat	—	—	—	4 × AA	500	—	Keyboard Entry	233 × 233	270 × 245 × 24
SPHINX DOMINATOR	CXG-239	Whole	yes	yes	yes	yes	LCD × 2	8000	2000	4 × AA	15	yes	Sensory	—	—
SPHINX ROYAL	CXG-240	yes	yes	yes	—	Threat	—	—	—	4 × AA	15	—	Sensory	—	—
ChessCard	CXG-241	—	yes	yes	—	Threat	—	—	—	1 × 3V	150	—	Keyboard Entry	—	95 × 58 × 6
CHESSE 3000	CXG-3000	80	yes	yes	yes	yes	—	3000	—	—	—	Included	Auto-Response	290 × 290	335 × 335 × 50
CHESSE 3008	CXG-3008	120	yes	yes	yes	yes	LCD × 2	6000	250	4 × AA	200	yes	Auto-Response	290 × 290	335 × 335 × 50
SPHINX COMMANDER	CXG-3018	240	yes	yes	yes	yes	LCD × 2	8000	2000	4 × AA	15	yes	Auto-Response	290 × 290	335 × 335 × 50
SPHINX 40 +	CXG-3038	240	yes	yes	yes	yes	LCD × 2	8000	2000	4 × AA	15	yes	Auto-Response	320 × 320	385 × 395 × 64
SPHINX 50 +	CXG-3048	Whole	yes	yes	yes	yes	LCD × 2	19529	—	5 × C	30	Included	Auto-Response	400 × 400	450 × 480 × 65

## CXG Chess Reference Chart – Spring 1989

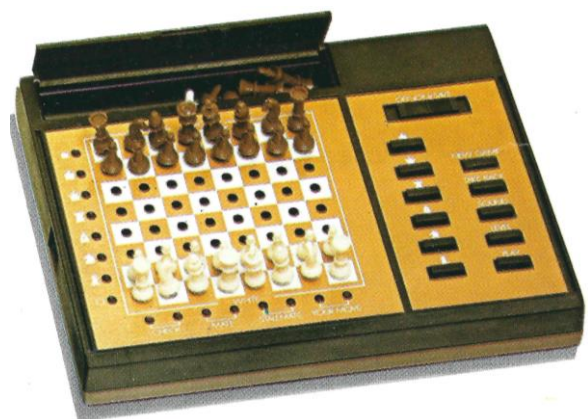
(Source: CXG Newcrest Technology Ltd. Hong Kong – Spring 1989) (photo copyright © by <http://www.schaakcomputers.nl/>) (600 dpi)



**Left: CGL Computachess Travel Sensory (gold edition)**  
**Right: Hanimex Computachess II (HCG 1600) (black and silver edition)**



**Hanimex Computachess II (HCG 1600) (gold edition)**



**Left: CXG Advanced Portachess (red edition)**  
**Right: CXG Advanced Portachess (gold edition)**

#### LISTE DES MACHINES (46)

- CXG Advanced Computachess (006)	- CXG Portachess II (223)	- CXG Sphinx Galaxy 2 (628 et 628W)
- CXG Advanced Portachess - 1982	- CXG Sensor Computachess	- CXG Sphinx Granada (347)
- CXG Advanced Portachess - 1984	- CXG Sphinx 40	- CXG Sphinx Junior
- CXG Advanced Star Chess (211)	- CXG Sphinx 50	- CXG Sphinx Legend (301)
- CXG Chess 2001	- CXG Sphinx Acolade	- CXG Sphinx Madrid (901)
- CXG Chess 3000	- CXG Sphinx Backgammon (269)	- CXG Sphinx Royal (240)
- CXG Chess 3008	- CXG Sphinx Backgammon (369)	- CXG Sphinx Sierra
- CXG Chess Voyager (202)	- CXG Sphinx Chess Card (241)	- CXG Sphinx Seville
- CXG Computachess	- CXG Sphinx Chess Professor	- CXG Sphinx Spirit
- CXG Computachess II (002)	- CXG Sphinx Chess Solar	- CXG Sphinx Titan
- CXG Computachess III (008)	- CXG Sphinx Chess Comet (902)	- CXG Star Chess (209)
- CXG Computachess IV (227)	- CXG Sphinx Commander	- CXG Super Crown
- CXG Crown (228)	- CXG Sphinx Concerto (623)	- CXG Super Enterprise (210)
- CXG Enemy	- CXG Sphinx Dominator	- CXG Supra (240)
- CXG Enterprise S	- CXG Sphinx Galaxy	- CXG Voyager
- CXG Galaxy Mark II		

<http://www.blitzchess.fr/fr/jeuxdes7familles/cxg/index.html>

52. Advanced Computachess, Model CXG-006
53. Advanced Portachess - 1982 Version
54. Advanced Portachess - 1984 Version
55. Advanced Star Chess, Model CXG-211
56. Advanced Star Chess/Rexton Star Mini -, Model CXG-211
57. Chess 2001, Model CXG-2001
58. Chess 3000, Model CXG-3000
59. Chess 3008, Model CXG-3008
60. Chess Voyager, Model CXG-202 Computachess,

<http://chesseval.com/BrandBoard/CXG-Brand.htm>

78. Computachess II '1982 (CXG 002)
79. Computachess III (CXG 008)
80. Computachess IV (CXG 227)
81. Advanced Computachess (CXG 006)
82. Advanced Computachess
83. Portachess (weiß/schwarz) (CXG 202)
84. Portachess (weiß/schwarz) (CXG 202)
85. Advanced Portachess '1982
86. Advanced Portachess '1982 (rot/schwarz; mit Tasche)
87. Advanced Portachess '1984

<http://www.traumautoarchiv.de/SC/ListeKB.pdf>

**CXG Advanced Portachess... 1982 & 1984 versions??**

**Who knows more about this different versions??**

**Send us your feedback!!**

# ADVANCED PORTACHESS 201

## 8 LEVEL PORTABLE CHESS COMPUTER

- Up to 8 levels of difficulty
- 500 hours of battery life using 4 penlite batteries (not included) — with memory save feature
- Computer plays many standard openings
- Castling, en passant, pawn promotion
- Play black or white
- Verify position
- Takeback moves
- Audible indication of moves by TONE (which can be turned off)
- Changing side in middle of game
- Plus many more challenging features



 **SPHINX**

## CXG Advanced Portachess – CXG 201 – Release: 1982

(Source: CXG Newcrest Technology Ltd. Hong Kong – Spring 1989) (photo copyright © by <http://www.schaakcomputers.nl/>) (600 dpi)

### Programmierer / Programmer

- Mark Taylor & David Levy

### Baujahr / Release

- Erste Einführung: September (?) 1982 (first edition)

### Technische Daten / Technical specifications

- Mikroprozessor: HD44801C89 - 4 Bit Singlechip
- Taktfrequenz: 0,8 MHz (CXG brochure)
- Programmspeicher: 4 KB ROM (CXG brochure) ~ 2,7 KB ROM (netto)
- Arbeitsspeicher: 80 byte RAM (CXG brochure: 256 x 4 bit)

### Spielstärke / Playing strength

- Spielstärke auf Turnierstufe (DWZ/ELO): ca. 1100

### Verwandt / Related

- CGL Computachess Travel Sensory (gold edition)
- CXG Advanced Portachess (red edition)
- CXG Advanced Portachess (gold edition)
- Hanimex Computachess II (HCG 1600) (black and silver edition)
- Hanimex Computachess II (HCG 1600) (gold edition)
- Hanimex Computachess III (HCG 1700) (black and silver edition)
- Multitech Computachess II (CC 002) (black and silver edition)
- Unimex Schachcomputer II

### Internet

<https://tluif.home.xs4all.nl/chescom/AdvPortach.html>

[https://www.schach-computer.info/wiki/index.php?title=CXG\\_Advanced\\_Portachess](https://www.schach-computer.info/wiki/index.php?title=CXG_Advanced_Portachess) (Programmfehler!)