

## TESTING REPORT – ELECTRONIC CHESS BOARDS

Approved by FIDE Council on 04/08/2022

Applied from 1st September, 2022

	Information	Comment
	Name of the board	
	Name of tester	
	Period of testing	

	Identification	Comment
	Manufacturer	
	Model	
	Firmware version	
	Firmware release date	
	Model release date	

Test	Physical Parameters	Comment
1	Chess Board Dimensions	
2	Chess Board Weight netto	
3	Chess Board weight brutto	
4	Full set (Chess board, chess pieces and attached required modules)	
5	Full set (Chess board, chess pieces and attached required modules) weight brutto	
6	Details for geometry of chess board parameters if it is not cubic (description)	
7	Working temperature parameters (Celsius min. and max.)	
8	Working humidity parameters (Celsius min. and max.)	
9	Is equipment water resistant	
10	Chess board material	
11	Chess board colour scheme (available colours for product)	
12	“Dark” square colour scheme	
13	“Light” square colour scheme	
14	“Dark” pieces colour scheme	
15	“Light” pieces colour scheme	
16	Chess Square dimensions	
17	Chess pieces base dimensions	
18	Chess pieces type/style description	
19	Board photo in colour	
20	Chess pieces full set photo in colour	
21	Type of material package of a board	
22	Type of material of package of pieces	

23	Type of material package of connection materials and requested connection equipment (cabling, wifi/Bluetooth modules or other)	
24	Is numbering A-H/1-8 present	
25	Does it support wireless connection	

Test	Wired Connection	Comment
26	Support of cable connection to control module	
27	Power for the chess board over the cable	
28	Power for the chessboard from the battery	
29	Battery type	
30	Battery quantity	
31	Guaranteed operational time for the chess board from battery	
32	Total number of batteries and battery type for battery type power supply	
33	Additional equipment for cable type of connection aside from chess board and clocks	
34	Max. number of chess boards that can be connected to one cable "line"	

Test	Wired Connection	Comment
35	Support of wireless connection to control module	
36	Wireless module dimensions	
37	Wireless module inside the chess board	
38	Wireless module outside the chess board	
39	Wireless module dimensions	
40	Wireless module weight	
41	Wireless module power supply over cable	
42	Wireless module battery type	
43	Wireless module battery quantity	
44	Wireless module guaranteed working time from battery	
45	Wireless module supports power indicator	
46	Type of connection between wireless module and chess board	
47	Additional equipment for wireless type of connection aside from chess board and clocks	
48	Guaranteed number of fully operational wireless modules supported for recommended access point in a playing area	
49	Full set of wireless module equipment photo with cables	

Test	Compatibility with Chess Clocks	Comment
50	Compatible with electronic chess clocks for simultaneous transmission of moves and clocks	

	data for display and broadcast in PGN or other format	
51	List of compatible clocks	
52	Type of connection between chess board and clocks	
53	Extra equipment required for clocks connection for simultaneous time information transmission with moves	
54	Type of power supply for clocks	
55	Photo of 'other' type technology module(s)	

Test	Compatibility with Chess Clocks	Comment
56	If the clock fails, is the last clock reading remembered?	
57	Does the software provide remote setup of clocks after a crash?	
58	Does the software allow the transmission of selected games to be delayed?	
59	Does the software allow transmission to be delay?	
60	Does the software allow all local real-time games broadcast on TV screens to be delay?	
61	Whether it happens that the board does not see the clock (test 20 clocks) but other boards watch it.	

Test	Working stability	Comment
62	Minimum time in ms for move to be made on a board and transmission of moves to control pc/laptop/device/local server within playing area for single board configuration with cable connection	
63	Maximum time in ms for move to be made on a board and transmission of moves to control pc/laptop/device/local server within playing area for single board configuration with cable connection	
64	Minimum time in ms for move to be made on a board and transmission of moves to control pc/laptop/device/local server within playing area for multiple board configuration with wireless connection	
65	Maximum time in ms for move to be made on a board and transmission of moves to control pc/laptop/device/local server within playing area for single board configuration with wireless connection	

66	Is time data from clocks sent not depending on moves made for timer update for games broadcast?	
67	Does equipment generate any noise during the work	
68	What is maximum noise loudness during the work	
69	Game result setup mechanism available	
70	Is equipment work affected in negative direction by strong electric field	
71	Is equipment work affected in negative direction by material of the table	
72	Is equipment work affected in negative direction by number of simultaneously working devices in single open area	
73	Does each square on the chessboard correctly recognize each chess piece?	
74	Can the chessboard put in a figure on the empty square in really?	
75	Can you set up the sensitivity of the chessboard? (reduce increase)	
76	Does sliding a piece on the chessboard during making a move can cause transmission errors?	
77	Do the connected cables disturb only one player during the game?	
78	Are the cables disturbing both players due to the uncomfortable place of connection to the chessboard?	
79	Are the cables sticking out causing the board to be unstable?	
80	Are the cables port stable and it not easy to unplug accidentally by player?	
81	Is the chessboard stable?	
82	Can a chessboard break easily?	
83	Does the entire surface of the chessboard touch the table?	
84	After switching off the power, only the position is saved. How long?	
85	Is it possible to remember the moves after turning off the power? How long?	
86	Is logical recovery move by move possible after a crash?	
87	Whether interruptions or weak internet connection can affect local broadcasting of games?	
88	Is it possible to directly read a game from a chessboard memory at any moment in the middle of the game?	
89	After finishing a game is it possible to easily block further transmission of moves, e.g., when we want to analyze?	

90	If one board breaks down, the rest also don't work?	
91	Does the kit require an adapter? What entries?	
92	Does the software detect errors showing incorrect start position?	
93	Will the transmission stop as a result of an incorrect move on the chessboard?	

Test	Software General Information	Comment
94	Software version	
95	Software release date	
96	Compatible OS	
97	Recommended OS	
98	Recommended hardware	

Test	Software Functionality	Comment
99	Maximum number of boards/devices that can be connected to single PC with recommended hardware and OS for fully operational and responsive setup	
100	Is software free	
101	Software pricing description	
102	Software provides stable detection of the boards/devices during all operational time.	
103	Software provides stable move recording and broadcast with clock time parameters at moment of a move for black and white pieces	
104	Software provides moves recording capability to file with minimum and maximum time for moves recording to a file with clocks data for each move in ms	
105	Software provides moves recording capability for separate games recording into separate files with clocks data for each move	
106	Software provides manual input of necessary data for Tournament name, Round, Date, White pieces player Name, Black pieces player name, White rating, White title, Black rating, Black title, Remarks for each game	
107	Software provides tournament configuration import from configuration file of certain format with data for Tournament name, Round, Date, White pieces player Name, Black pieces player name, White rating, White title, Black rating, Black title, Remarks for each game	
108	Software provides game record in PGN format	

109	Maximum time in ms and minimum time in ms for creation of PGN file with game(s) upon moves or clocks updates with multiple boards setup	
110	Maximum time in ms and minimum time in ms for creation of PGN file with game(s) upon moves or clocks updates with single boards setup	
111	Software provides other types of games broadcast (server-client, remote Internet game servers) . Description and requirements	
112	Software provides local PGN file creation offline (without Internet connection)	
113	Software provides storage and visual editing of previously finished games	
114	Software provides visual editing of incorrect running games without blocking of record and display of other running games	
115	Software provides editing of results of finished games	
116	Software provides editing of results of running games	
117	Software provides clock time for each move even for edited game	
118	Software provides manual edit of all data for a given game during the game: Tournament name, Round, Date, White pieces player Name, Black pieces player name, White rating, White title, Black rating, Black title,Remarks with update of this data in PGN file or any other broadcast mechanism	
119	Software provides local real-time games broadcast on TV screens or other media with and image of a board (s), moves, names of players, tournament name, clock times. Minimum number of seconds and maximum number of seconds between move made of a board and display of it on a screen	
120	Software provides remote setup of clocks before the start of the game	
121	Software provides remote setup of clocks during the game	
122	Software provides control of power remaining for batteries if used in any device	
123	Software provides automatic moves recording after game was edited and all consecutive moves are valid for a still running game	
124	Software provides board memory record not depending on correctness of moves with moves and clocks data for finished and running games available for review at any moment.	

125	Software provides data display for each game – board position, clocks data, white name, black name	
126	Software provides ‘health’ data for each board – connection strength, cable connection quality	
127	Software interface does not block functionality of not active modules in case any other module is used and provides parallel operation of all modules not depending on situation when another module (tab) is active.	

Test	Information	Comment
128	Detailed Description of technology for board connection and moves recording/transmitting provided	
129	Guarantee warranty period	
130	Types of technology used for the equipment with specifications (Wifi, Bluetooth optical, radio or other) with exact version, type and used hardware with physical parameters, frequencies used	
131	All hardware used is approved by manufacturer as safe for human (Y/N)	
132	Existing safety standard certificates	
133	Other certificates for the equipment	
134	Printed installation manual is available in a package in English	
135	Printed operation manual is available in a package in English	
136	Printed installation manual is available in a package in other languages	
137	Printed operation manual is available in a package in other languages	
138	Download installation manual is available in a package in English	
139	Download operation manual is available in a package in English	
140	Download installation manual is available in a package in other languages	
141	Download operation manual is available in a package in other languages	
142	Cabled connection scheme description	
143	Cabled connection scheme description image	
144	Cabled connection scheme parameters for maximum number of devices that can be used in a line, available power voltage parameters	
145	Wireless connection scheme description	
146	Wireless connection scheme description image	

147	List of recommended equipment to be used (Access points)	
148	List of recommended Operating systems compatible	
149	List of recommended hardware parameters for single and multi-board configuration	

	Description	Comment
	Do you have some additional remarks to some questions?	
	What is your recommendation on endorsement?	