

1 Introduction

We permanently work to improve our MILLENNIUM products and try to make them even better. Therefore, we are always happy to receive your feedback at

quality@computerchess.com

Currently there are two software tools for The King Element available:

- PGN Tool
- King Element Update Tool

This document is only referring to the **King Element Update Tool**.

If you install the update tool on your PC or Mac, you can:

- Update your King Element module to the latest firmware
- Load different user books onto your King Element module

2 Installing the Software

Please use the following link to download the **Update Tool for Windows**:

http://download.computerchess.com/Firmware/KE/KE_Update_PC_V1_53.zip

Usually the file is saved in the “downloads folder” on your computer. You can also choose a different folder, if you wish.

Once you have downloaded the file, click on its symbol.

In case your PC asks if you want to install the file, please confirm it.

Then you can choose if you want create a desktop shortcut during the installation.

Now click “Next”.

Click “Install” for installing, or “Cancel” to cancel. Click “Run DriverInstall.bat”.

If you want to launch the program after installing, click “Launch KE_Update”.

The update tool is now being installed.

Click “Finish” to complete installation.

Depending on your Windows Version, it may happen that you are asked if you want to install a driver. If so, please click yes/ok to confirm.

Please use the following link to download the **Update Tool for Mac**:

http://download.computerchess.com/Firmware/KE/KE_Update_Mac_V1_53.zip

3 Using the Update Tool

3.1 Connecting the Cables

Your King Element Module must be connected to the power as well as to your computer. Therefore please proceed as follows:

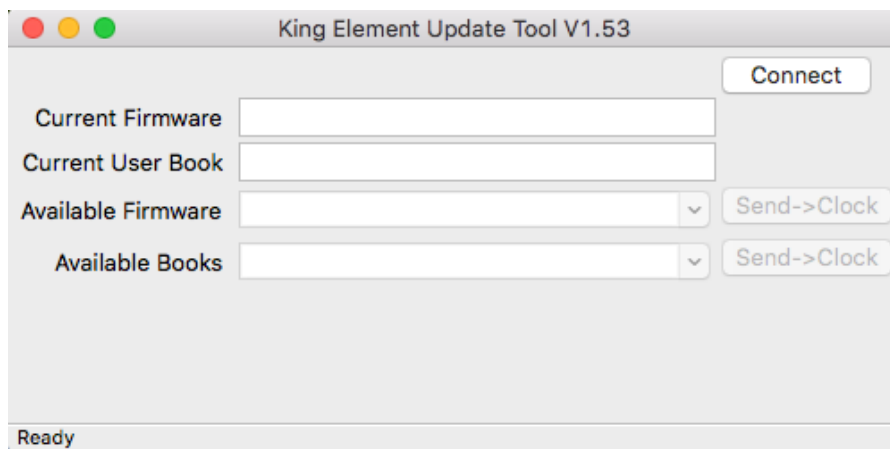
- Connect your King Element Module with the AC adapter to your power supply.
- Connect your King Element Module with your computer, by using a USB cable type A–B (not included), e.g. a printer cable. Plug the USB cable into the middle socket on the back of the module on one side, and into your computer on the other side.

3.2 Starting the Update Tool

For starting the program please use the shortcut symbol on your desktop, or select the update tool from your list of installed software.

Depending on your Windows version it may be possible that you are prompted to update a driver software, which then needs to be installed first.

The King Element update tool looks like this on your computer screen:



3.3 Activate the data transfer (USB mode)

To transfer data between the King Element Module and your computer, you need to switch it first of all into USB mode.

- Turn the chess computer on
- Then turn it off again, using the ON/OFF button.

Now the display is showing "USB Mode".

3.4 Depending on your Windows version: Optional driver update

Depending on your Windows version, it might be necessary for the first start of the tool to update the drivers. In such case the update tool may show “Clock not found” in the bottom status bar.

To manually update the driver please proceed as follows:

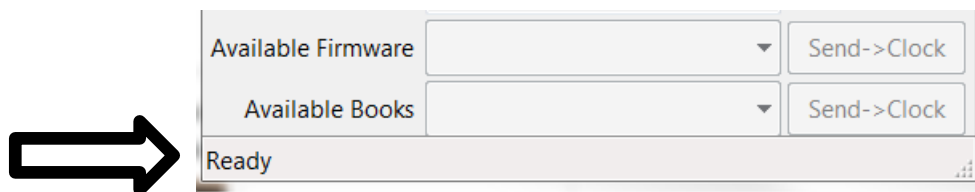
- Select the Windows device manager.
- Choose King Element, using right click.
- Depending on your Windows version, choose either “Update driver”, or “Properties” and then “Update driver”.
- Select “Search for drivers on your computer”.
- Choose the path where you installed the update tool (usually “C:\Programs”), and then confirm “Drivers”.

3.5 Functions of the Update Tool

The King Element Update Tool provides the following functions:

- Connect and Release
- Current Firmware
- Current User Book
- Available Firmware and Send → Clock
- Available Books and Send → Clock

The status bar on the bottom (see arrow in the picture below) shows if the update tool is ready (“Ready”), or if it is connected with the clock module (“Connected”), or if it possibly does not recognize the clock module (“Clock not found”).



3.5.1 Connect and Release

Click “Connect”. Note that the King Element Module must be in USB–mode for that purpose. The Update–Tool is now connecting with your clock module.

If you want to release the connection again, please click “Release”.

3.5.2 Current Firmware

This window indicates the currently installed firmware on your King Element Module.

3.5.3 Current User Book

This window indicates the currently installed User Book on your King Element Module.

3.5.4 Available Firmware

This window shows the latest firmware versions currently available on our server. Right now it is version „TKE121“. Click “Send → Clock” to upload the firmware onto your King Element Module.

Please do never interrupt the programming process! Do not interrupt the power supply or touch any buttons on the clock module.

Once the firmware is installed, “Programming complete” appears on your computer screen. Then the clock will reset and reboot again.

IMPORTANT: You must absolutely wait until the chess computer has completed its rebooting process and confirmed it with a beep tone. This process can take around 5 minutes, so please be patient!

3.5.5 Available Books

This window shows the currently available user books on our server. In case there is no book uploaded on your King Element Module, it shows “None”.

Use the dropdown menu to select a user book. Then click “Send → Clock” to upload it onto your clock module.

Please do never interrupt the programming process! Do not interrupt the power supply or touch any buttons on the clock module.

Once the firmware is installed, “Programming complete” appears on your computer screen. Then the clock will reset and reboot again.

IMPORTANT: You must absolutely wait until the chess computer has completed its rebooting process and confirmed it with a beep tone.

For activating the downloaded user book please select “Opts” in the main menu, and then the option “User” under “Book1” or “Book2”.

3.6 Troubleshooting

If you fail to establish a data connection and instead notice a message saying “No clock found”, then please wait a moment and try again. This sometimes happens, particularly the first time you try and connect.

If you see a message saying that the file could not be downloaded or another error relating to downloading from the server, then please check your internet connection.

If you can connect but for some reason cannot send a new version to your chess computer then try a different USB cable or a different USB port on your computer. Usually the USB ports on the backside of your computer are working best.

3.7 Appendix: The Gambit-Book

You can either play a random opening variation, or if you prefer you can enter a certain move sequence in 2-player-mode, in order to select your desired opening line.

No.	Opening Variation	ECO	1	2	3	4	5	6	7	8
1	Froms Gambit	A02	f4	e5						
2	Englund Gambit	A40	d4	e5						
3	Budapest Gambit	A52	d4	Nf6	c4	e5	de5:			
4	Volga Benko Gambit	A57	d4	Nf6	c4	c5	d5	b5		
5	Dutch, Staunton Gambit	A83	d4	f5	e4	fe4:				
6	Colorado Gambit	B00	e4	Nc6	Nf3	f5	ef	d5		
7	Scandinavian, Smerdon Gambit	B01	e4	d5	ed5:	Nf6	c4	e6	de6:	
8						Bb5	Nbd7			
9	Scandinavian, Wing Gambit	B01	e4	d5	ed5:	Qd5:	Nc3	Qa5	b4	
10	Sicilian, Wing Gambit	B20	e4	c5	b4					
11	Sicilian, Morra Gambit	B21	e4	c5	d4	cd4:	c3	dc3:	Nc3:	
12	French, Wing Gambit	C00	e4	e6	Nf3	d5	e5	c5	b4	
13	French, Milner-Barry	C02	e4	e6	d4	d5	e5	c5	c3	Nc6
14							Nf3	Qb6	Bd3	cd4:
15	French, Aljechin Chatard	C14	e4	e6	d4	d5	Nc3	Nf6	Bg5	Be7
16	French, Winkeimann Reiner	C15	e4	e6	d4	d5	Nc3	Bb4	a3	Bc3:
17	Danish Gambit	C21	e4	e5	d4	ed4:	c3	dc3:	Bc4	de4:
18	Kings Gambit	C30-C39	e4	e5	f4					f3
19	Latvian Gambit	C40	e4	e5	f3	f5				
20	Philidor, Shirov Gambit	C41	e4	d6	d4	Nf6	Nc3	e5	Nf3	Nbd7
21	Russian, Cochrane Gambit	C42	e4	e5	Nf3	Nf6	Ne5:	d6	Nf7:	
22	Goering Gambit	C44	e4	e5	d4	ed4:	Nf3	Nc6	c3	dc3:
23	Halloween Gambit	C47	e4	e5	Nf3	Nc6	Nc3	Nf6	Ne5:	
24	Four Knights, Rubinstein	C48	e4	e5	Nf3	Nc6	Nc3	Nf6	Bb5	Nd4
25	Italian, Esirin	C50	e4	e5	Nf3	Nc6	Bc4	Bc5	d4	
26	Italian, Evans Gambit	C51	e4	e5	Nf3	Nc6	Bc4	Bc5	b4	
27	Scotch Gambit	C56	e4	e5	Nf3	Nc6	d4	ed4:	Bc4	
28										
29	Two Knights, Fritz Variation	C57	e4	e5	Nf3	Nc6	Bc4	Nf6	Ng5	d5
30	Two Knights, Traxler Variation	C57	e4	e5	Nf3	Nc6	Bc4	Nf6	Ng5	ed5:
31	Ruy Lopez, Jaenisch Gambit	C63	e4	e5	Nf3	Nc6	Bb5	f5	Bc5	b5
32	Ruy Lopez, Marshall Gambit	C89	e4	e5	Nf3	Nc6	Bb5	a6	Ba4	Nf6
33	Blackmar-Diemer Gambit	D00	d4	d5	e4	de4:	Nc3	Nf6	f3	0-0
34	Queens Gambit, Albin Counter-Gambit	D08	d4	d5	c4	e5				c3
35	Queens Gambit Slav, Tolusch Geller	D15	d4	d5	c4	c6	Nf3	Nf6	Nc3	dc4:
36	Queens Gambit, Nakamura	D20	d4	d5	c4	dc4:	e4	b5	a4	e4
37	Queens Gambit, Arbakov	D24	d4	d5	c4	e6	Nc3	Nf6	Nf3	dc4:
38	Queens Gambit, Riga Variation	D45	d4	d5	c4	c6	Nf3	Nf6	Nc3	e6
39	Queens Gambit, Shabalov	D58	d4	d5	c4	e6	Nf3	Nf6	Nc3	Be7
40	Blumenfeld Gambit	E10	d4	Nf6	c4	e6	Nf3	c5	d5	Bg5
41										0-0
42	Queens Indian, Aronian	E15	d4	Nf6	c4	e6	Nf3	b6	g3	Qc2
43	Queens Indian, Polugaevsky	E17	d4	Nf6	c4	e6	Nf3	b6	g3	Bb7