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Introduction

Congratulations on your purchase. You are the owner of a unique DGT electronic chessboard that can be connected to a computer with Bluetooth functionality or via a USB connection. The e-Board is supplied with real wooden chess pieces. With this e-Board you can play against the strongest chess programs, play against human players and also play via the internet. The board can also be used to simply register a chess game for later retrieval and publication or to show a game or analysis on a larger screen to an audience. Of course the board can also be used for training purposes in a classroom setting.

When playing via a computer your opponent’s moves will be shown on the computer screen but they will also be shown on the display of the DGT3000 or DGT XL chess clock. The software required for controlling the e-Board is included in this package. Occasional software updates may be found on the DGT website.

PC configuration requirements

Pentium 4 processor, 512 MB Ram
Windows® Vista or higher
Bluetooth® connectivity or an external Bluetooth dongle (not included)
A free USB port (to set-up a USB connection)

® “Bluetooth” is a registered trademark of the Bluetooth Special Interest Group
® “Windows” is a registered trademark of the Microsoft cooperation.
Contents of the gift box

The gift box should contain following items.

- 1 DGT Bluetooth e-Board (Wood specifications should be marked on the outside of the gift box)
- 1 Set of DGT electronic chess pieces with 17 pieces of each colour (Two queens per colour)
- 1 Drawstring bag
- 1 High quality USB cable of 2 meters length
- 1 Euro USB power charger (and international adapter if required)
- 1 Clock cable to connect the e-Board to a DGT3000 (or DGT XL) clock
- 1 CD with the drivers for the board, additional DGT information and manuals
- 1 CD with a version of the Fritz chess program developed by ChessBase
- 1 Bluetooth installation manual (this manual)

In case items are missing or damaged, please contact your supplier.

Setting up your DGT Bluetooth e-Board

Important: If the battery is not fully charged it may be necessary to charge it before you can use the Bluetooth functionality of the e-Board. To charge the battery, use the USB cable (included) to connect the board to a computer or to the included USB power adapter. Charging of an empty board battery may take up to 24 hours.

After pressing the power button (on the side of the board), the board will automatically switch on.

Many computer USB ports, especially laptop USB ports, do not supply sufficient current or voltage to charge the board at the maximum rate. Changing the computer power saving mode settings may improve the charging power functionality. For details please review the documentation of your PC or laptop.

If the power charging from the computer is not sufficient, the LED will blink red instead of blinking orange. Apart from the longer charging time there normally is no real problem if you leave the board plugged in for about 24 hours. Please check if the LED turned green after this time which indicates that the board has been charged slowly but sufficient.

Charging via the mains adapter and the supplied USB cable will show a blinking orange LED (when no Bluetooth connection is set-up) or a constant orange LED (when a Bluetooth connection is set-up).

Please use only the included high quality USB cable. Do not use longer USB cables for charging as this may NOT provide enough current or voltage to charge the e-Board.

Power button options

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short push</td>
<td>The board switches on / off</td>
</tr>
<tr>
<td>Push and hold for 2 seconds</td>
<td>The board will display the power status on a connected DGT3000 or DGTXL clock</td>
</tr>
<tr>
<td>Push and hold for 10 seconds</td>
<td>The board will perform a &quot;cold&quot; start and will reset all its parameters.</td>
</tr>
</tbody>
</table>

LED status indication

<table>
<thead>
<tr>
<th>State</th>
<th>Colour and blink mode LED</th>
<th>Red (undesirable situation)</th>
<th>Orange (charging)</th>
<th>Green (charging complete, or battery charge sufficient)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board is ON</td>
<td>Constant</td>
<td>Bootloader mode</td>
<td>Charging + communication</td>
<td>Board ON + communication</td>
</tr>
<tr>
<td></td>
<td>Blinking 0.5 sec</td>
<td>Charging failure</td>
<td>Charging + no communication</td>
<td>Board ON + no communication</td>
</tr>
<tr>
<td>Board is OFF</td>
<td>Flashing 1.9 sec off</td>
<td>Charging failure</td>
<td>Charging, board is OFF</td>
<td>Board off, battery fully charged</td>
</tr>
<tr>
<td></td>
<td>0.1 sec on</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Location of the e-Board

The detection of the electronic chess pieces is done by electromagnetic resonance. This means that proper functioning of the e-Board may be influenced by external electromagnetic fields. Such fields can be caused by large (plasma) monitors, loudspeakers or other devices with magnets or coils. Also strong RF transmitters within the e-Board area may cause incorrect piece detection or "ghost pieces" and as such impact the result of your chess game.
Metal surfaces under or frames very near your e-Board may reduce the sensitivity of the board. Please do not place the e-Board on a metal table or a table with metal construction beneath or beside it.

Place the e-Board on a stable surface and connect the USB cable (included) between the e-Board and a free USB port of your computer. Windows will automatically detect this new USB device and install the required windows driver for the basic USB connection. The next step is to set-up the external Bluetooth dongle (if required) and the Bluetooth connection.

Preparing the Bluetooth connection in Windows

If you have not yet installed a Bluetooth USB dongle (stick) or if you do not have built in Bluetooth hardware in your computer or laptop, you need to insert a Bluetooth dongle (not included) in a free USB port of your computer.

Windows normally recognizes almost all of these dongles and will automatically install the driver included within the Windows package, which is already on your computer.

If the installation does not start automatically, please install the drivers that came with your Bluetooth USB dongle. When the Bluetooth device is ready for use, Windows will inform you as per following screen.
In the previous picture a DGT e-Board with serial number 20962 is already installed and connected via Bluetooth. Your e-Board however still needs to set-up the wireless Bluetooth connection. Make sure that the DGT e-board is powered up and not too far from your computer.

**Important:** It is not possible to define the maximum distance between your e-Board and computer due to various parameters like building construction, magnetic fields or other wireless devices that may disturb the Bluetooth connection of your e-Board. Normally a distance less than 10 meters should cause no problems.

To set-up your connection click on the "Add device" TAB as shown below. Windows will search for new devices including DGT Bluetooth devices as, in this case, your e-Board.

Now Windows will show all available Bluetooth devices found and within range:

Click on the DGT_BT_XXXXX icon. The X's represent the serial number of your DGT board.
Chose the second option "Enter the devices pairing code". The default code is 0000 (four zeros).

**Important**: With some e-Boards a pairing code may be presented to you. Just use this code and click on the "Yes" button to proceed. See the next picture, which is an example of a pre-defined pairing code. Both pairing options can be used.
Windows will now install all required software and, after a short time, will notify you that your device is ready to use.

From this moment it is important to understand that the e-Board is no longer treated as a Bluetooth device by Windows but as a Virtual Serial Port.

To check the properties of the e-Board select: Control Panel – Hardware and Sound – Devices and Printers. You will find your DGT Chessboard listed there. In this case the e-Board serial number is: 20109

Double click on the e-Board icon to find out the properties. A COM port number will be assigned to it. (COM4 in above example)
Your Bluetooth dongle (USB stick) will also have an assigned incoming COM port number. This port is not used and may lock-up your Bluetooth connection if used. Please remove this incoming COM port number as described below.

Just right-click on the Bluetooth dongle icon and choose "Bluetooth settings" from the context menu.

Choose the COM port TAB. You will normally see 2 COM ports. Select the COM Port with the "Incoming" direction which doesn't have a name. Click on the "Remove" button to remove the incoming port.
Depending on the version of your DGT e-Board, the name of the outgoing COM Port may be different from the one in the previous picture. Your Bluetooth e-Board will now be able to communicate without problems with your computer via the virtual Bluetooth COM Port.

If you want then the next step is connecting the USB cable. Windows will automatically recognize the chessboard over USB and assign a new COM port number to it.

The result is that your chess software is able to communicate with the e-Board through two COM Ports: One that is over Bluetooth and the other over the USB cable.

The following step is to install the DGT software from the included installation CD: RabbitPlugin and the latest FTDI driver which is also integrated within the RabbitPlugin installation process

**Installing the driver for the DGT e-Board (RabbitPlugin)**

Place the DGT installation CD in your Windows computer and open the folder to view the files. Run the file "start.bat" in the root folder of the installation CD. The main screen will show an overview of various DGT related information.

Note: You can install the RabbitPlugin drivers via the CD menu via the TAB driver or you can navigate manually the RabbitPlugin software from the software folder on the CD. We advise to select the CD the TAB driver and then select the RabbitPlugin version you want to install.

Important: Within the driver TAB there are 2 Rabbit installation programs: One for 32 bit programs and one for 64 bit programs. Older chess programs are 32 bit, so even if you have a 64 bit Windows operating system you definitively need to install the 32 bit version if you want to use 32 bit chess programs.

**DGT recommends following:**

On a 64 bit Windows operating system: Install both versions. (Normally for all current PCs)
On a 32 bit Windows operating system: Only install the 32 bit version. (Only for old PCs)

After selecting the RabbitPlugin, the installation process starts automatically, or depending on installed security software, you may need to allow to run this program when a warning pop-up appears with such question.

The RabbitPlugin setup programs have following name format:

RabbitPlugin_2.0.27_Release_mei3_Win32.exe (Details may change due to the release of new software versions)
RabbitPlugin_2.0.27_Release_mei3_Win64.exe (Details may change due to the release of new software versions)

After starting this wizard, there may pop-up a warning message from User Account control again. Please confirm and press OK. Then below text box will appear. Although the program is in English feel free to choose alternative languages in the language pull-down selection.
The RabbitPlugin driver wizard will now continue as per following picture flow. For normal customer usage it is recommended to accept all default settings. Do note that the software versions as mentioned in the pictures may be different and newer in your case. Also be aware that there are minor screen variations between the 32 bit and the 64 bit installation screens.

The Bluetooth board USB driver and FTDI USB driver are required for your Bluetooth and should be selected before pressing ‘Finish’ and continuing the installation process.

Note: If you have selected the box ‘Launch RabbitConnect’ in the previous screen then this program will start running.
DGT always advises to install the included latest FTDI driver from the installation CD. Installation will take place after you press the RabbitPlugin Finish button. Please proceed and finish the FTDI driver installation process as shown below.

**Important:** It may be required to move the, already started, RabbitConnect window as the FTDI driver installer is hidden behind it.

On the FTDI screen select **Extract** and **OK** to complete the installation.

The Bluetooth board driver is required for your Bluetooth e-Board and will be installed automatically when you accept the steps as presented by the installation program. Please proceed and finish the installation process as guided by the Installation wizard.

If selected, the Bluetooth USB driver setup wizard is already started with below screen, select **Next** to proceed. For your Bluetooth e-Board it is mandatory to install driver as well.
The RabbitConnect program connects the e-Board to the PC and is used for checking and troubleshooting purposes or can be used when setting changes within the RabbitPlugin driver are required. Changes made in this program will be saved after program closing and will apply for all programs that use the connected e-Board and the RabbitPlugin driver.

After launching RabbitConnect, the main window will show the DGT e-Board. It is likely that there are no chess figures shown on the board picture. To test the e-Board it is a good moment to place all chess pieces on the DGT e-Board. If you do not see a chessboard displayed then the wrong COM port is selected.

Click on the "Settings" menu
Choose "Configure driver"
Choose the "Connection" Tab first.
Select the pull-down menu the port that is used for your e-Board. See the next picture for details.

After a few seconds (up to 10) the big square box should turn green and show "Board alive". Depending if you have a DGT3000 or DGT XL clock connected, the second box will also turn green and a clock version will be visible.

**Important**: In some cases, the correct port number was not selected correctly in the RabbitPlugin Select port table and the "Board alive" box does not turn green. In that case check the used Bluetooth (or USB) COM Port number in your Windows control panel (see below picture where the COM Port is "COM7"), change the port number in RabbitConnect and close and restart the RabbitConnect program again.
If the **Board alive** box is green, the serial number of your board will be shown in following screen. Also important information like clock version, e-Board firmware version and boot loader version are displayed. If you require further assistance with your e-Board, please include this information in the mail for the DGT support department.

Please note that this RabbitPlugin window may be smaller on your computer and will not show all tabs. The size of this window can be easily adjusted by pulling or shrinking the right lower corner of this program window.

**Important**: Pressing the cross (upper right corner) will close the program.

The **Board** TAB will show the pieces on the board similar as in the actually placed chess pieces. When this window is shown in a chess program, the squares may be coloured. For example when a field is green, it means that there is no or a wrong piece on that location. The meaning of these coloured squares is further explained in the manual of the RabbitPlugin which can be found under the help TAB or on the installation CD.
The battery TAB indicates the charge which is still available in the e-Board battery. Please be aware that the green battery bar is just an indication which is based on the last low and high charge curve. If the battery was not empty before the charging process, this bar may not be accurate.

Via the About TAB you can find the RabbitPlugin software version currently installed on your PC.

The software on the CD will be updated on a regular basis. However before installing the software from this CD we recommend to check if there is a more recent version on www.digitalgametechnology.com. You can find it in the menu: SUPPORT followed by: DGT SOFTWARE.

More detailed information and additional manuals are available on the DGT e-board installation CD (included in this package).

In case questions arise, please consult the FAQ page on http://www.digitalgametechnology.com. If you are unable to find the solution by consulting the FAQ section, feel free to contact the support department of DGT. Contact details can be found on our website.
Maintenance of your Bluetooth e-Board

The Bluetooth e-Board contains a Lithium Ion Battery which is capable of providing power to a new board for at least 48 hours. The e-Board contains a charge and discharge circuit to extend the life of this battery as long as possible. Therefore do not charge the battery outside the e-Board with a third party charging device. After some years the capacity of this battery will decrease though and should be replaced when you are unable to play several games without charging the battery. If the battery has reached its end of life, dispose it according the waste regulations according your country.

The firmware of this e-Board is stored in a rewritable flash memory. When available, DGT will publish the updated firmware for your e-Board including instruction how to install on the website.

We recommend to subscribe to our newsletter for Bluetooth e-boards. This will allow DGT to keep you informed about the latest news and software updates related to your e-Board. You can subscribe to this newsletter by sending an e-mail to support@dgtprojects.com and write Bluetooth newsletter in the subject line. Please include your name, address details, phone number, dealer name and the serial number of your board in this mail. This information is valuable and give DGT the opportunity to keep track of the deployed Bluetooth e-Boards.

The board is finished with a polyurethane varnish. You can clean it with a damp cloth, preferable a microfiber cloth. Do not use any abrasive cleaning products and avoid products that contain silicone oil. Usage of such products may impact the live-time of your e-Board or damage the polished surface.

The wooden chess pieces with integrated electronics should be handled with care and stored in the included drawstring bag.

Warranty conditions

DGT guarantees that your DGT e-Board and chess pieces comply to the highest quality standards. If the product, despite our care in choosing components, material, production and transport, nevertheless shows a defect during the first 24 months after purchase, you should contact the dealer where you purchased the appliance. Feel free to contact the DGT support department for technical questions.

In order to qualify for warranty of your DGT e-board, you should present a copy of the proof of purchase which includes the date of purchase, dealer name and purchase price.

The warranty is only valid if the DGT e-Board has been used in a prudential manner. Our warranty obligations do not apply if attempts to repair the DGT e-Board have been carried out without our explicit written permission.

Colouring due to severe sunlight may affect the colour or these pieces or your e-Board and is not covered under warranty.

For further questions and support information please visit: www.digitalgametechnology.com.