Job Manual EasyGec software.

Contents

1 Introduction

1.1 Purpose of EasyGec software

EasyGec is a software for the orienteering clubs and other organizations, manage CO schools using SportIdent system for timing their workouts.
It was developed for simplify the organization of training sessions without having to set more suitable complex software management courses.
The benefits are of EasyGec :

- Minimalist interface, simple and friendly
- No pre-registration can
- No category
- Rapid creation of circuits
- Possibility to use several times the same chip on the same circuit
- Import results from Si-Config (read master station) and together with a list of counselors
- Results to HTML and CSV
- Playback Mode manual and automatic chips

1.2 Installation

EasyGec was developed with JAVA. It is therefore necessary to install the Java Run Time (JRE 1. 7) on the computer hosting the software. You can download the latest version of the platform at this address : Http://www.java.com .
EasyGec using specific libraries from Microsoft, it has only been tested under the following operating systems :

- Windows XP
- Windows Vista
- Windows 7
- Windows 8

The installation is done by extracting file "easygec.zip" downloaded. To function, the EasyGec directory should contain the following files :

- EasyGec .jar is the executable software
- rxtxSerail.dll is the library to connect to the mistress of the station SportIdent system (EasyGec automatically detects the system version (32 or 64 bits) and creates this file from rxtxSerail32.dll and rxtxSerail64.dll files).
- aide.pdf which is the application help file.
- config.xml is generated on first use and will contain the EasyGec parameters.

To read the SportIdent pointers using the mistress station will also require the drivers to be installed.
To read the chips, EasyGec uses GecoSi component Geco. Geco is a free software dedicated to all types of orienteering.
In the current version, EasyGec read chips 5, 6, 8, 9, 10 and 11 and the pcard. **To work, play master boxes must be configured "expanded protocol" with SI-Config.**

1.3 Basic principles

To use EasyGec, it is mandatory to hold a minimum of knowledge about SportIdent system. Indeed, EasyGec does not replace the conventional preparation of a race. It will therefore necessarily go through the preparation phase and housings configuration with the SI-Config.

To use EasyGec, we must assimilate some concepts that have been implemented to facilitate the work of the organizers.

An organization is a set of circuits provided during a training.
A circuit is an exercice containing a sequence of positions to be punched.

EasyGec performs the classification of riders per circuit. It is the rider who has obtained the most positions in the shortest time wins.

2 Features EasyGec

EasyGec :

- Registering an organization
- Opening an organization
- Import circuits from an XML export OCAD
- COM port management master station
- Managing a list of orienteers

Circuit :

- Management of infinite circuits
- Management of infinity of positions per circuit
- Race opportunity online or score for each circuit
- Possible starting to box or grouped for each circuit
- Possibility of pre-registration

Results :

- Export results to HTML and CSV each validation of a result
- Export detailed results in HTML and CSV (SI format)
- Import a master station (with SI-Config) and together with a list of counselors

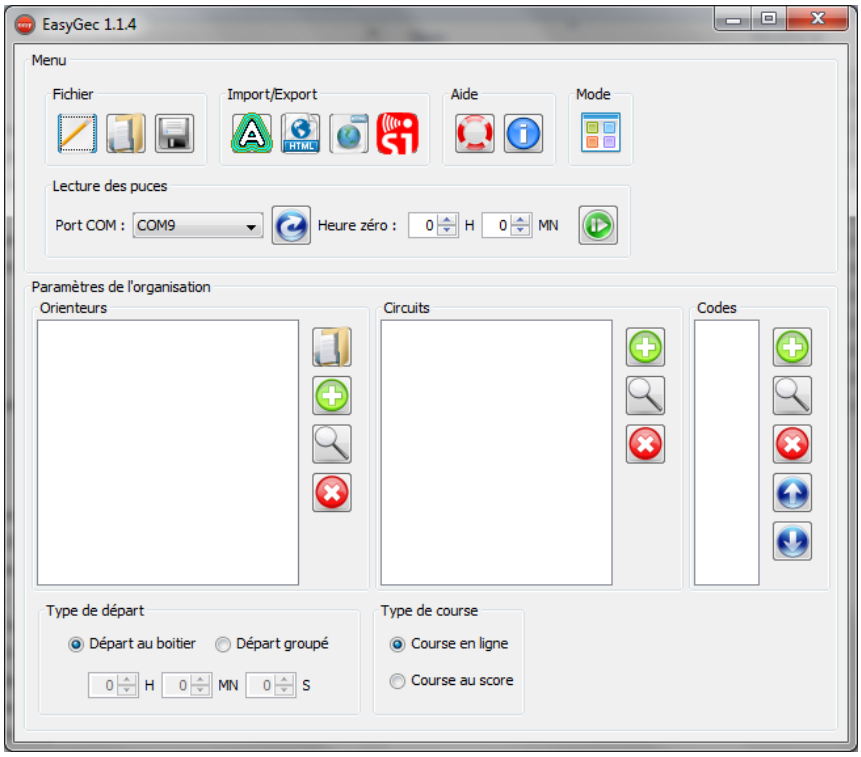
Playing chips :

- Lectures chips 5, 6, 8, 9, 10 and 11 and the pcard
- Management midnight
- Allocation of the circuit and reading identifier
- Rapid visualization of the missing items and more
- Displaying results of a runner in reading
- Printing results of a runner

3 Application Description

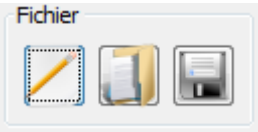
3.1 Launching the application

To launch the application, simply double click on the file icon "EasyGec .jar". If the JRE for Java has been installed, the application starts a new organization.



3.2 The menu bar

3.2.1 The bar “File”



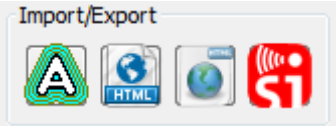
The button  allows you to start a new organization. A message will offer to save the current organization before starting a new one.

The button  Saves the current organization. If the organization had not been registered, EasyGec open a directory browser window.

If registration was successful, the button will be temporarily overloaded by this icon  . If the directory is not accessible, the button will be temporarily overloaded by this icon  and the file will not be saved.

The button  opens a new organization. The EasyGec files have the extension "egc". The directory is saved and will be proposed at the next opening.
A message will offer to save the current organization before opening a new one.

3.2.2 The bar "Import/Export"



The button can import channels from an XML export OCAD. If the XML file includes circuit variants, these will be imported with an index. The new routes are added to existing circuits. Versions 2 and 3 XML is considered.

The button can export to HTML and CSV overall results of the circuits. The file can be read with a web browser. The file is generated in the same directory as the file organization. It bears the same name as the file organization with " Resultats_Globaux " more.

If the export was successful, the button will be temporarily overloaded by this icon . If

the directory is not accessible, the button will be temporarily overloaded by this icon and the file will not be exported.
The file of the overall results is regenerated to the validation of each chip, the use of the button is only necessary if a changing parameters of a circuit is performed without a validation chip.

The button can export to HTML and CSV detailed results of the circuits. The file can be read with a web browser. The file is generated in the same directory as the file organization. It bears the same name as the file organization with " Resultats_Détaillés " more.

If the export was successful, the button will be temporarily overloaded by this icon . If

the directory is not accessible, the button will be temporarily overloaded by this icon and the file will not be exported.

The button opens a window allowing the import of results from a master station and to associate them with a list of counselors. To work it takes at least a valid circuit (see 3.3.8).

3.2.3 Bar " Fashion "

This button toggles playback mode.
Manual mode opens the playback window chips.
The automatic mode does not open the window. Instead, every time you play a smart, EasyGec displays a green Smiley and smiling and full screen if it finds a circuit without PM if not, it's a Red Smiley and sad that appears. This mode is particularly suitable for children autonomy while the instructor handles the entire workshop. In this mode, each result is automatically saved.

3.2.4 The bar " Playing chips "

This bar allows you to manage the mistress station.
COM ports are listed in the dropdown list. You have to select the port where is connected the mistress station.

The button allows to update the combo if the mistress station was not connected to the launch of EasyGec.

The configuration of the zero hour is described in Section 4.4. By default, this time is set at 00 : 00 : 00 and is suitable for most races and chips (except SI5).

The button initializes the box for playing chips.
This feature requires a master case " SportIdent "Is connected to the workstation and it is configured (see 1.2 Installation).

By clicking the button, the box is configured, and the icon turns orange then red .
From that time, playback is functional.

By pressing the button It gives the reading station available.

3.2.5 Bar " Help "

The button launches the help file.

The button displays an information box on EasyGec.

3.3 Presentation of the application

3.3.1 Managing counselors

The following toolbar helps manage counselors :

The button counselors can import content in a CSV (; as separator). The first onlin e file is not read. The Columns are in gold dre, the chip number, name, surname and s s of additional field of your choice of counselors. These additional field s s little wind be, gender, class, class, ... The first two field s s are added, near the name and surname, the overall results (pdf and csv) and detailed (HTML only). The following fields are added to the end for the overall results only.

The button creates a new counselor.

The button allows you to modify the selected counselor.

After confirmation, the button deletes the selected counselor.

3.3.2 Management circuits

The following toolbar helps manage circuits :

The button to create a new track by giving it a name. By default, a new circuit has no job and is set to run online and with a departure to the case. The circuits are listed in the left list.

The button to change the name of the selected circuit.

After confirmation, the button to delete the selected channel.

3.3.3 Position Management

The following toolbar helps manage codes for circuit selected :

The button to import one or more s code 31 to 255. Use the " Ctrl "And" Shift "To select multiple codes.

The button changes the selected code.

After confirmation, the button deletes the selected code.

The button allows moving up one level the selected code.

The button helps lower the level of a selected code.

3.3.4 Management of type u departure

The next area to manage the type of tour departure selected :

By default, a circuit is set to start with a case.
It is possible to assign a mass start and choose the start time to the nearest second.

3.3.5 Management type of race

The next area to manage the type of race the selected channel :

By default, a circuit is set in Sprint (items must be validated in the order of the list).
It is possible to configure the circuit race score (positions can be validated in any order).

3.3.6 Play pointers

W hen the button on the chips play bar is red, inserting a chip in the master box opens the following window :

We must start by filling the field " login "With the name, surname or any other term that will identify sudden u r s runner in the results list. By default, this is the chip number is taken into account. If the number of read the chip is known in the list of counselors so that's the name and associated name will be displayed.
Then select from the drop down list, the system made by the rider. The result of the rider appears in the text box. By default, it chooses the EasyGec rcuit closest to what exists on the chip.

If the result is not displayed in the window, press the button .
The missing items are red with the PM mentioned as the valid positions Appear s ent in black with the passing of time and the split time.
End of the list, appear blue items validated more.

The button valid result for the circuit and selected for ID without printing. The organization is registered e and the results are updated.

The button valid result for the selected circuit and the ID and prints **with the system default printer.** The organization is registered e and the results are updated.

The button imprine **with the system default printer,** the result for the circuit and selected for ID without validating it.

The button cancels the current operation.

When finished reading, do not forget to click again on the button to release the master box if you want to use with other software.

3.3.7 Display results

The files comprehensive and detailed results are generated in the same directory as the file organization.
These files are in HTML and CSV format and can be read by a web browser and a spreadsheet.
To view the file of the overall results, it may be worth using software such as VisualResult (downloadable on the same page as E syGec) which has scrolling and automatic update features.

3.3.8 Import results and association with a list of counselors

This feature lets go into the forest without a computer with only one master station and a printer. The combination of the results is then done quietly warm. Be careful though because this procedure requires a certain rigor in the use of a single chip for multiple counselors or more circuits.

The procedure is as follows :

1. Empty the mistress station with SI-Config in order not to be troubled by static results.
2. Go to the ground and proceed as usual using the station. Remember to be strict if you repeatedly use the same chip as the automatic functions will be in order.
3. In return, you must export the results with SI-Config CSV with semicolon as separator and nothing like text delimiter.
4. Create an organization with EasyGec and edit circuits q ui have been performed (see 3.3.2 to 3.3.5).

5. Create a CSV file to the list of counselors who participated in training. The separator will also be a semicolon. The 3 columns are, in order, the assigned chip number, name and surname. The first line of the headers will not be considered for importation.

6. After saving your organization in EasyGec, click the button to open the window of association.

7. Click the button and choose the import of referring file. The list of counselors appears below with green Pathfinder which will begin playing in red and the counselor will eventually file playback. You can determine the start and

end of playback using the buttons and associated with the list.

8. Click the button and choose the file of results from the master station. The list appears below (chip number, departure time and arrival time) in green with the result that will start reading and red l e result will eventually file playback. You can determine the start and end of playback using the buttons

and associated with the list.

9. Click the button " Associate Results guidance counselors "to start the procedure. If one of the two lists is empty, there will be no association. At the end of the procedure, a message gives you the number of results taken into account.

10. The overall results were updated. If these results are right for you, consider saving the organization before importing other results.

remarks :

- The associations are in the order of operations and the order of guidance counselors. So the first occurrence of a chip in the results list will be assigned to the first occurrence of the same chip in the list of counselors. And so on for subsequent occurrences. In case of multiple use of the same chip, the i is therefore imperative that the two lists (results and guidance counselors) are ordered.
- The nearest circuit result is automatically assigned to the counselor.
- Beware of double readings chips. In order not to generate false results, it is imperative to remove all unwanted duplicates in the export file before importing into EasyGec.

4 Tips and FAQs

4.1 Connecting the master box

If connection to the master box is not done (do not turn red), check the following settings :

- Check that no other software is already using the master box.
- Check that the correct COM port is selected.
- Check the box works with other software such as SiConfig (SportIdent free software to configure the boxes). If SiConfig works is that the drivers of the master box are installed. If SiConfig does not work, you have certainly install the drivers and then recheck the operation.

- Check with SiConfig, the master box is configured expanded protocol.
- Check that the files
  " rxtxSerail.dll "," rxtxSerail32.dll "And" rxtxSerail64.dll "In the same directory as the file" EsayGec .jar "Used to launch the application. Be careful not to launch the application from the downloaded ZIP file. We must re - zip the directory to use EasyGec.
- Check that the correct version of Java is installed and is well set.

When all these parameters have been verified, the master box should connect.

4.2 Printing results

To gain speed, printing the results of riders on reading the chip is made **using the default printer.** If you have not configured the printer you want to use for this feature, nothing will happen or not what you wanted. EasyGec has been optimized for printing with a ticket printer.

For printing the overall results and detailed results, use the print functionality of your internet browser.

4.3 Deletion or modification of a result

For simplicity, EasyGec has no feature to remove or change the results. However, it is possible to perform these actions directly in the file " egc ".
Indeed, the files " egc "Are plain text files to the XML standard. They are readable and modifiable with software such as NotePad or NotePad ++.
All the results is between the <results> and </ results>. Each result is framed by the <result> and </ result>. It is therefore possible to delete a result suppressing a complete block. The results are listed in the order validation.
It is also possible to change an identifier of a result by changing the text between the <name> and </ name>.
For those who wish to change the time of results, be aware that this data is in thousandths of seconds.
Warning to work well on a copy of your file after saving and having closed EasyGec.

4.4 Setting the Zero Hour

Even if the latest chips have an indication of the day, registered in time are 24:00 Format (2:23:45 p.m.) (except for SI5). Accordingly, it is not possible to time an upper circuit at 24:00.
In most cases, a " Zero hour "00H00MN set to agree to a step under 24:00 beginning after midnight and ending before midnight.
To time a step that will run straddling midnight, must be set correctly " Zero Hour ". For example, for a night stage beginning at 22:00 and ending at dawn, adjust " Zero Hour "21:00. Thus, all the time between 21:00 and 24:00 will have the right format (10:24:36 p.m.) and time after midnight will have a 24:00 format with more (eg 1: 02: 12: 25 2h12mn25s). So EasyGec can properly calculate the various time and possible penalties.

4.5 Characteristics of different chips

IF	Number	Speed	Memory	Format	Comment

SI5	1-499 999	330ms	30 + 6	12:00	The last 6 posts do not have time. Beware of setting the zero hour for the midday shift.
SI6	500 000 999 999	130ms	64 or 192	24:00	**To use the 192 time, configure all the boxes (and the master station) in SI6-192 positions with SI-Config.**
SI8	2 000 000-2 999 999	115MS	thirty	24:00	
SI9	1 000 000-1 999 999	115MS	50	24:00	
SI10	7 000 000-7 999 999	60ms	128	24:00	
pcard	8 000 000-8 999 999	115MS	20		
SI11	9 000 000-9 999 999	60ms	128	24:00	

4.6 Shortcut icon of EasyGec

EasyGec being developed in Java, it is not possible to associate an icon to the application. If you want to create a shortcut on your desktop EasyGec, you can then associate the icon " EasyGec.ico "Found in the EasyGec directory.
The procedure is simple. After creating your shortcut, simply right click on it and choose " properties ". In the tab " Shortcut "Click" Change Icon .. "And choose the icon that is in the EasyGec directory.