

 *MiSpeaker*

MICROGATE
Timing & Sport

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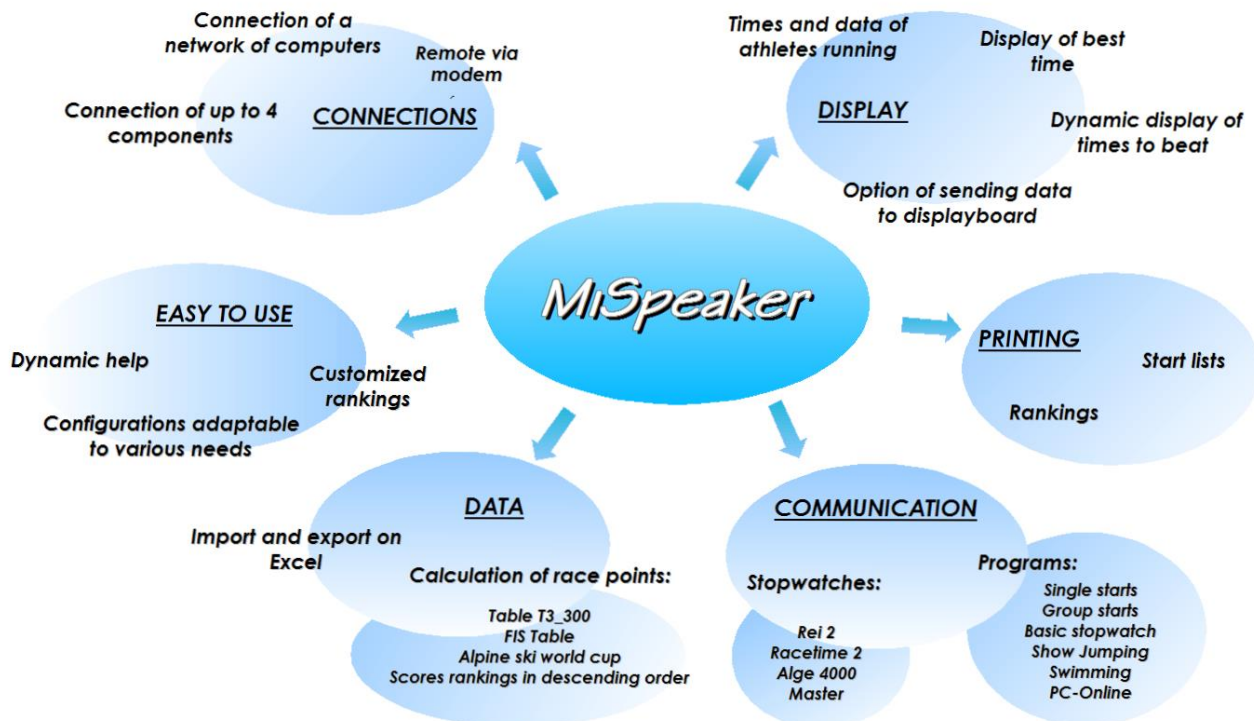
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1 Introduction



MiSpeaker is a program created for the management of different kinds of race.

By using this program it is possible to import or prepare competitor lists, starting orders and group structures, to send them to the stopwatch and receive the results acquired from the stopwatch.

The program works in the standard Windows environment and so all the typical functions of this operating system are active.

1.1 Operations

Program use is very simple and can be broken down into a number of phases summarized as follows:

Race opening

Checking of communication parameters

Entering / acquisition of race data (names, groups, starting orders)

Sending of data to the stopwatch

Acquisition of data from the stopwatch

Export of data to other programs

Saving the race.

2 Installation

Start the MiSpeaker_xxxx.exe. program in the usual way for Windows.

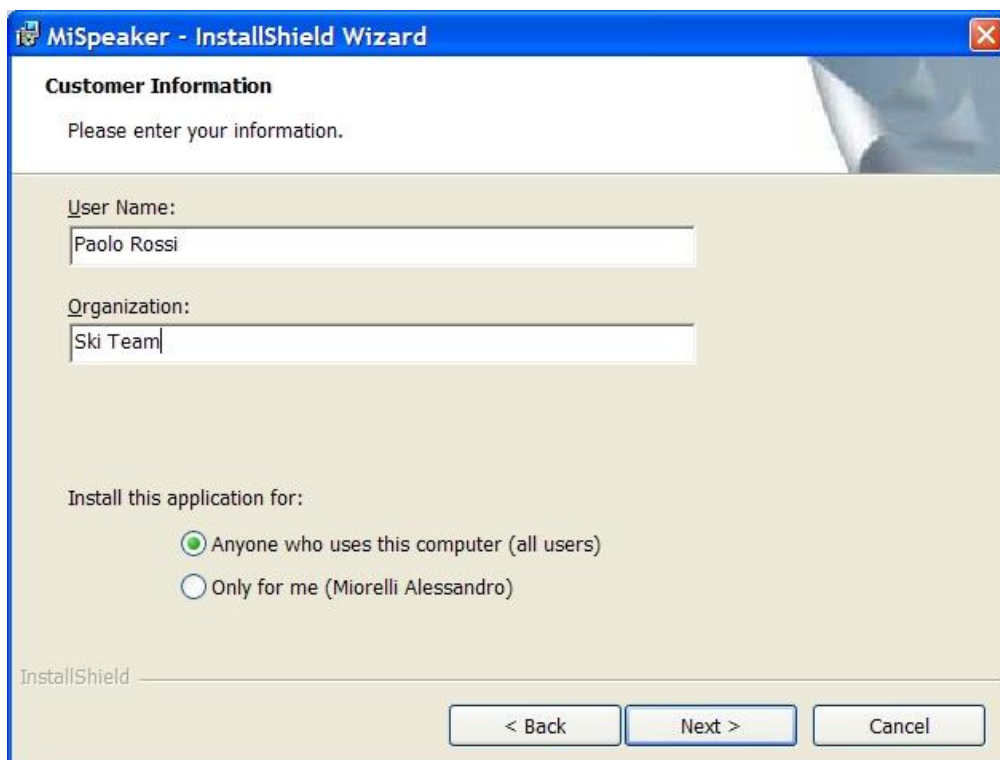
In the welcome dialog box of the InstallShield installation program, click <Next>.



Figure 1 – Installation – welcome

In the next window enter your name and the company to whom the license for this software has been issued in the fields “User Name” and “Organization”.

If you want anyone with access to the computer to be able to use the program, select “Anyone who uses this computer”, otherwise select “Only for me” and click <Next>.



MiSpeaker - InstallShield Wizard

Customer Information

Please enter your information.

User Name:
Paolo Rossi

Organization:
Ski Team

Install this application for:

☒ Anyone who uses this computer (all users)

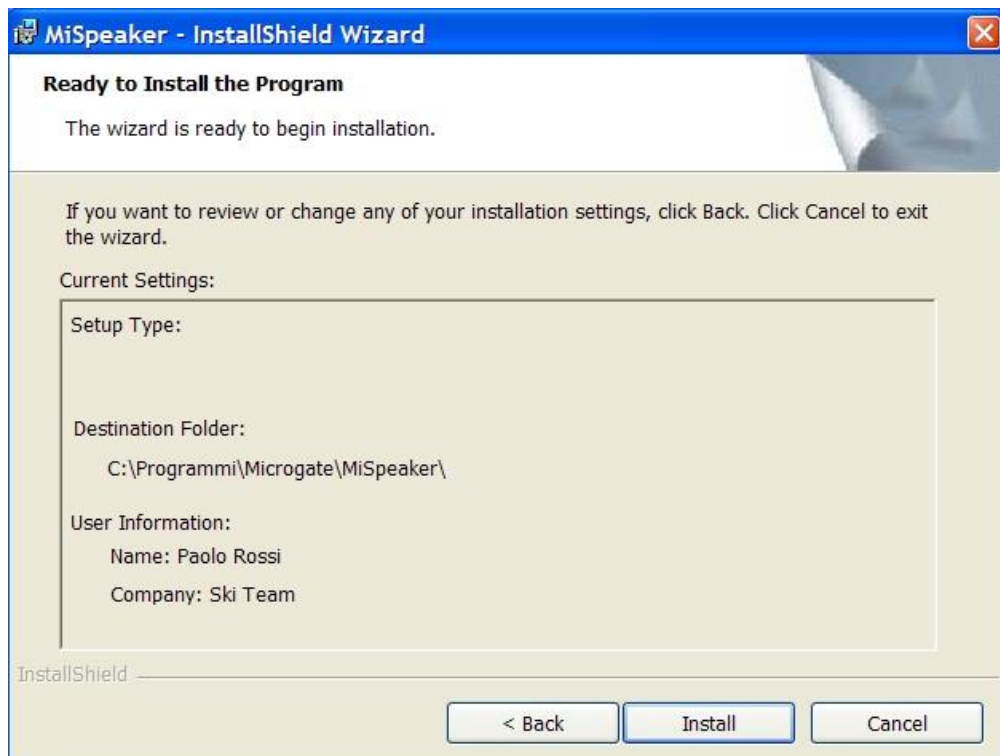
☐ Only for me (Miorelli Alessandro)

InstallShield

< Back Next > Cancel

Figure 2 – Installation – data insertion.

The next box summarizes the installation data. If all the data are correct, click <Install>.



MiSpeaker - InstallShield Wizard

Ready to Install the Program

The wizard is ready to begin installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Current Settings:

Setup Type:

Destination Folder:
C:\Programmi\Microgate\MiSpeaker\

User Information:
Name: Paolo Rossi
Company: Ski Team

InstallShield

< Back Install Cancel

Figure 3 – Installation – confirm data

InstallShield will install the program on the PC, showing progress status. At the end of installation it will be possible to read the latest innovations in the release installed by selecting “Show the readme file”.



Figure 4 – Installation– completed.

By clicking the <Finish> button, you quit the installation procedure.

Throughout the installation procedure it is possible to return to the previous window by clicking the <Back> button.

2.1 Annulment of installation

If you want to annul installation, click the <Cancel> button and confirm by clicking <Yes>.



Figure 5 – Installation– cancellation.

In the window confirming installation has been annulled, click <Finish>

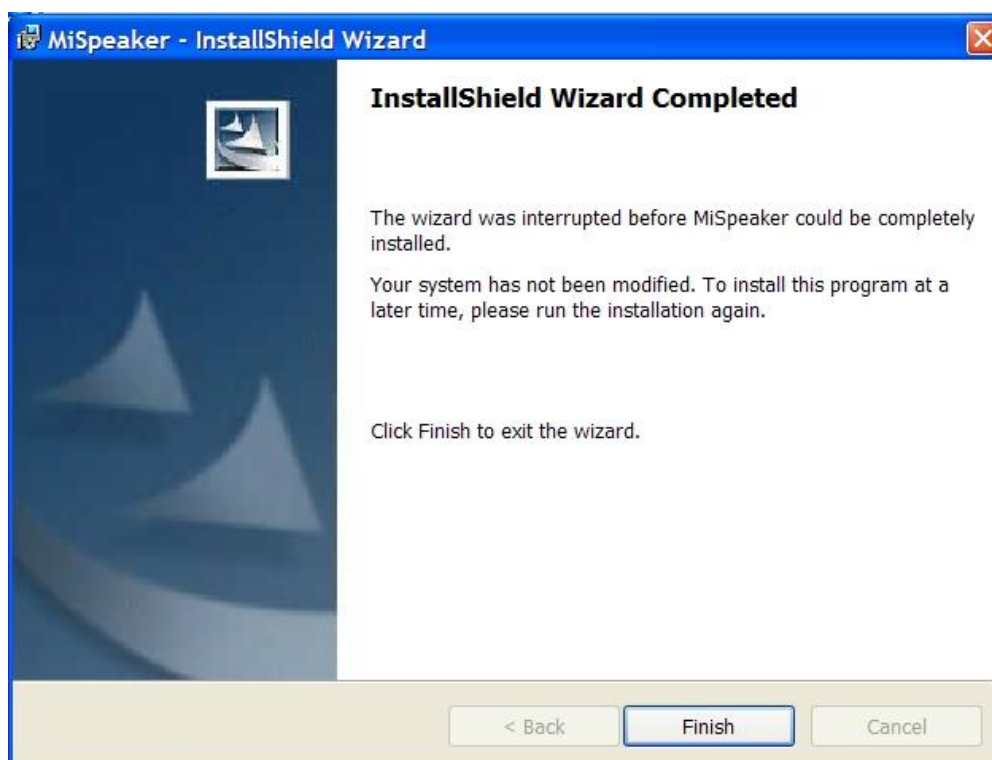


Figure 6 – Installation– annulled.

3 Launching the program

The program is launched by using the normal Windows operating mode. Usually it is installed in the menu Microgate – MiSpeaker.

3.1 Guided creation of an Alpine ski race

This guided creation gives the first steps for creating an Alpine ski race. The following steps will be shown:

- Initial settings
- Creating a start list and sending it to the stopwatch
- First run data reception and printing of ranking
- Creating a list for the second run and sending it to the stopwatch
- Second run data reception and printing of general ranking.

3.1.1 Initial settings

To be able to use the program it is necessary to create a new race or open a previously stored race. When the program is launched, select “Explore Races”. This opens a new box in which information about saved races appears and some operational options are given. To create a new race, press the New button. This gives you the box in Figure 7.

Figure 7 – Race Sheet

Some fields are compulsory and are necessary to identify the race:

Race Name: set special slalom

Stopwatch: select the type of stopwatch you have

Program: select the appropriate program type

Configuration: select the race configuration

Confirm the data entered by pressing the button <Confirm>

At this point it is possible to check the settings of the serial by pressing the bottom button <Communications > (see para. 5.5 Communication parameters on p. 42), checking also that the cable is correctly connected (for REI2 connect it to the “Computer A” output of the stopwatch). At the bottom left of the program window the message “Connected” must appear. The connection parameters are set automatically when you select the type of stopwatch you want to use.

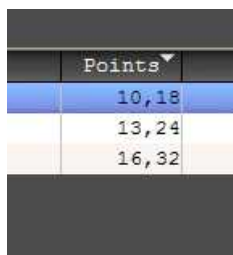
3.1.2 Creating a start list and sending it to the Rei2 stopwatch

It is now possible to create a start list to upload onto the stopwatch. Press the bottom button <Start lists>. Now press the button <New> to insert a new competitor. Enter the following data and confirm after each insertion by pressing the button <Confirm>.

Surname	Name	Nation	Group	Point
Tomba	Alberto	ITA	Group ITA	13.24
Maier	Hermann	AUT	Group AUT	10.18
Rocca	Giorgio	ITA	Group ITA	16.32

To remove the columns “Category”, “Club”, “Sex” and “Discipline” which have no data, from the start list grid, go into “Configuration”. The relative selection checkboxes appear next to each field name. Deselect the four fields. .Select the fields “Points” and “Groups”. Then press “Exit” to return to the previous menu.

To rank according to points click on the mouse on the heading of the “Points” column”. The order is descending. To change it to ascending give another click of the mouse on the column.



Points
10,18
13,24
16,32

Figure 8 – Points column

To sort the bibs go into “Edit” and then “Draw”. Select:

“Random order” → “Yes”

“From record” → ”1”

“To record” → “3”

“From bib” → ”1”

Press “Execute” and then “Exit”.

Change the run from “Competitors” to “1”

To create the groups automatically, press the triangle next to the bottom button <Groups > and select “Generate Groups” → “Group”. MiSpeaker will create the groups on the basis of the insertion made in the start list as in Figure 9. Press “OK” to return to the previous menu.

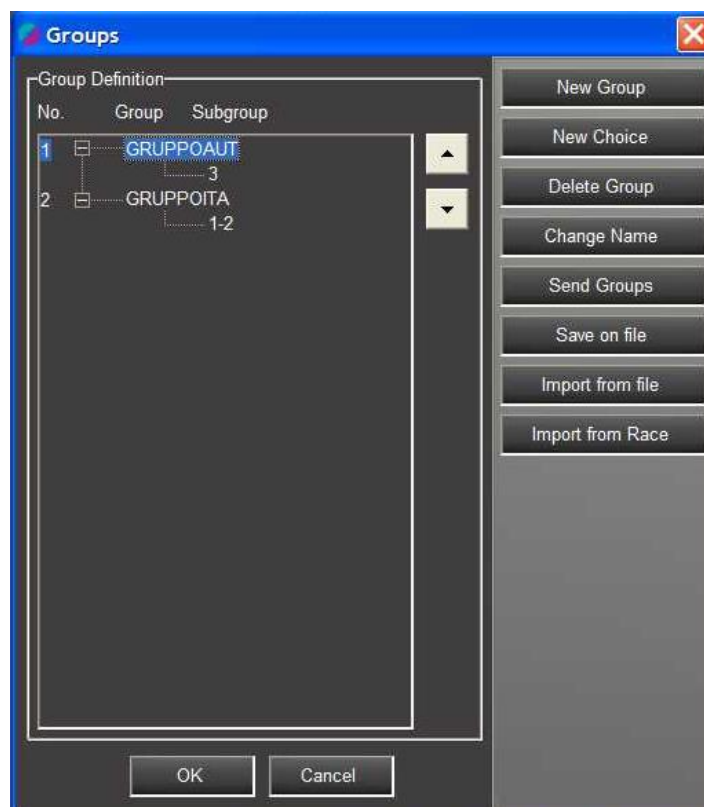


Figure 9 – Example of Groups

If the REI2 stopwatch is being used, it is possible to send the list to the stopwatch by pressing the <Download> button and successively selecting the items “Competitor list”, “Starting order” and “Groups”. The data will be correctly uploaded onto the stopwatch.

To print the start list, press <Print> and select “General”, then “Single run” and “Preview”. To return to the results grid, press “Exit”.

3.1.3 First run data reception and printing of ranking

Now it is possible to run a race on the stopwatch and start the three competitors entered, making them pass the first intermediate stage and then making them arrive at the finish. If REI2 is being used, the data are transmitted online during the race, whereas if Racetime2 is being used, it is necessary to go into the menu download data to PC. The grid fills with the data coming from the stopwatch. To fully exploit the potentialities of MiSpeaker, with the REI2 stopwatch the tick output should be set to a second, whereas with the Racetime2 stopwatch the displayboard should be set as the PC-Online output. During data download the following symbol  must rotate at the bottom right of the PC monitor. If it does not, check the connection between the program and the stopwatch.

To enlarge the grid, columns can be simply added by pressing the right mouse button on the grid. From the menu “Rankings” press “Add item” select the item “Name” and then the item “Gap”. This will give you the grid in Figure 10.

Finish	Rank	Num	Time	Gap	Name	Nat
1	1	1	1:13.54	0.00	TOMBA Alberto	
2	2	2	1:14.01	+0.47	ROCCA Giorgio	
3	3	3	1:18.32	+4.78	MAYER Hermann	

Figure 10 – Example of Race

To print the general ranking, press the bottom button <Print> and select “Finish”. Now select the first group “GruppoITA” by pressing the right mouse button and selecting “Groups”. Scroll down the choices until you reach the correct item. The ranking is remade based only on GruppoITA. Now press the <Print> button again to print the group ranking.

3.1.4 Creating a list for the second run and sending it to the stopwatch

To create the bibo for the second run go into “Start lists” by pressing the relative button. Select run 2. From the “Edit” menu select “Bibo”. Set “Invert first” to 2 and press <Add>. Close the “Bibo” window. To print the start list, press the black triangle next to the <Print> button and select “General”, then “Single run” and “Preview”. To return to the results grid, press “Exit”.

3.1.5 Second run data reception and printing of general ranking

Now it is possible to run the second run on the stopwatch and create the ranking printouts by repeating the same operations as for the first run. Check in the “General settings” menu that the item “View” is on “Total”, otherwise only the net times of the second run will be displayed.

3.2 Guided creation groups race with transponder

This guided creation gives the first steps for creating a group race using a system with transponders (eg IPICO). You will be shown the following steps:

- Initial Settings
- Pairing transponder - bib
- Data reception and printing of ranking

3.2.1 Initial Settings

To be able to use the program it is necessary to create a new race or open a previously stored race. When the program is launched, select “Explore Races”. This opens a new box in which information about saved races appears and some operational options are given. To create a new race, press the New button. This gives you the box in Figure 11.

Figure 11 – Race Sheet

Some fields are compulsory and are necessary to identify the race:

Race Name: set Mountain bike

Stopwatch: select the type of decoder you have

Program: select the group start program type

Configuration: DECODER + TIMER PC

Confirm the data entered by pressing the button <Confirm>

In the case of circuit races (like this case) with the passage several times on the same mat is recommended to set "multi lap"

At this point you need to connect the decoder to MiSpeaker (see chap. 3.6.1 IPICO on p. 28).

After you connect the decoder, at the bottom left of the program window should appear the word "Connected".

At this point you have to pairing the transponder with the bib. See the cap. 7.1.2 Pairing via acquisition on p. 84.

So to entering data you have to go to "Transponder" -> "Check" and pass the first transponder antenna. If the decoder is properly connected, a window like Figure 76 will appear. After pressing the "Create a new athlete with bib" with a value of 1, will see the form of the athlete. Fill the form with the following data:

Surname	Name	Nation	Group
Grave	Alberto	ITA	GruppoITA

Repeat with the other two transponders and enter the following data

Surname	Name	Nation	Group
Maier	Hermann	AUT	GruppoAUT
Rock	Giorgio	ITA	GruppoITA

Return to the main menu.

Now you must create:

- The starting group
- The groups for the ranking group

To create the groups automatically, press the bottom button <Groups> and select "Generate Groups" → "Group". MiSpeaker will create the groups on the basis of the insertion made in the start list as in Figure 9.

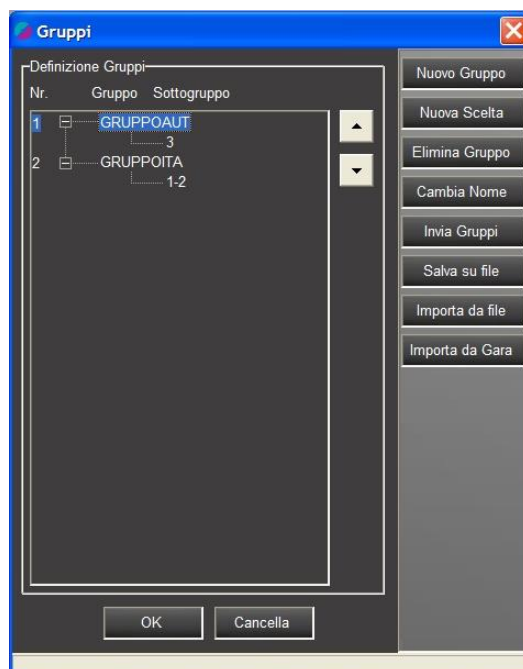


Figure 12 - Example Groups

We must now take place the starting group: press "New Group" and enter "1-3" (from bib 1 to bib 3). Move this last group to the first position using the up arrow as in Figure 13

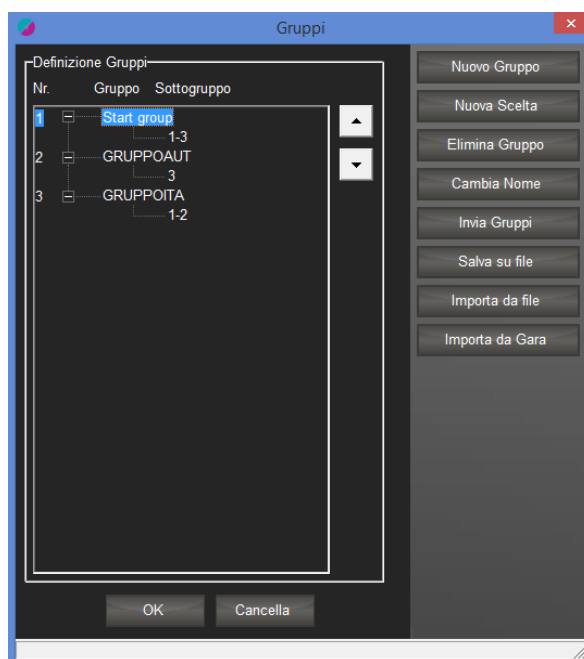


Figure 13 - Example Groups

Press <OK> to return to the previous menu.

To put the group to start press CTRL + 'B' or double-click in the panel's time to run (highlighted in red in Figura 14)

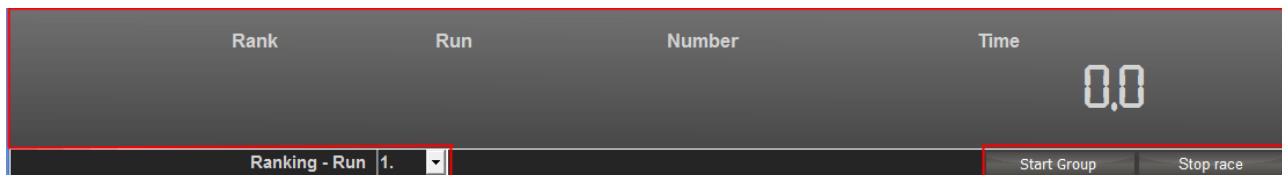


Figura 14

and enter the number 1.

To start the group, press CTRL + SHIFT + F1 or press the button “Start group”. The time will start to run.

Passing the transponder antenna then you will increase the number of laps.

To print the general ranking, press the bottom button <Print> and select “Finish”. Now select the first group “GruppoITA” by pressing the right mouse button and selecting “Groups”. Scroll down the choices until you reach the correct item. The ranking is remade based only on GruppoITA. Now press the <Print> button again to print the group ranking.

3.3 Guided creation of a swimming race

This guided creation gives the first steps for creating a swimming race. The following steps will be shown:

- Initial settings
- Creation of a start list
- Data reception and printing of ranking

3.3.1 Initial settings

The initial settings are the same as those given in para. 3.1.1 on p. 14.

In this case the data to be entered on the race sheet are as follows:

- Name of race: Swimming race
- Program: Swimming
- Configuration: Manual 1 side
- Place: Trento

3.3.2 Creation of a start list

Now a start list can be created for uploading onto the stopwatch. Press the <Start lists > button.

From the Heats sheet we select:

Pool length: 25;

Number of lanes: 8;

Race: 1;

Heat: 2;

Turns: 2;

Event: Series;

Sex: M;

Style: Crawl;

Category: Debutants B

Relay: No;

The following data are entered in the lanes:

Bib	Code	Surname	Name	Club
11	11	Rossi	Alberto	Rari Nantes
12	12	Piccoli	Gianni	C.S.I.
13	13	Basso	Giorgio	Rari Nantes

Now set Race to 2 and repeat the insertion for the first run except 1 for “Heat”.

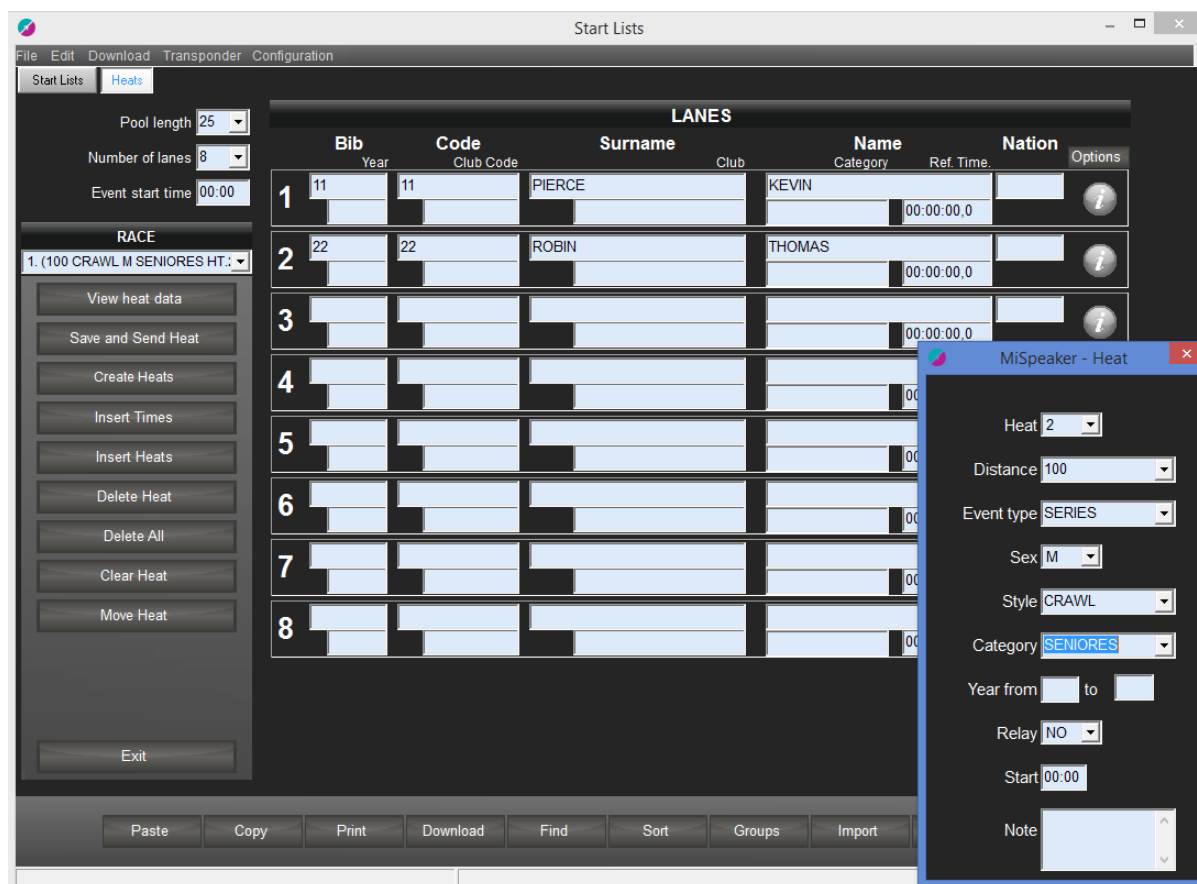


Figure 15 – Swimming program start lists

The following data are entered in the lanes:

Bib	Code	Surname	Name	Club
21	21	Masiero	Alessandro	C.S.I.
22	22	Febbroni	Giacomo	C.S.I.
23	23	Bianco	Carlo	Rari Nantes

If the stopwatch REI2 is being used, it is possible to send the list to the stopwatch by pressing the <Download> button and selecting the items “Competitor list” -> “All Races” and then “All heats”. The data will be correctly uploaded onto the stopwatch.

To print the start list, press the <Print> button and select “List”, then “Single race” and “Preview”.

To return to the results grid, press “Exit”.

3.3.3 Reception and printing of ranking

Now it is possible to run a race on the stopwatch and start the three competitors entered, making them pass the first intermediate stage and then making them arrive at the finish. The grid fills with the data coming from the stopwatch. To fully exploit the potentialities of MiSpeaker, with the REI2 stopwatch the tick output should be set to a second. During data download the following symbol 🌐

must rotate at the bottom right of the PC monitor. If it does not, check the connection between the program and the stopwatch.

To print the ranking, press the black triangle next to the <Print> button and select “Finish”. Select “Preview”.

Set the next heat on the stopwatch and run the race by making the three competitors inserted start, making them pass the first intermediate stage and then making them arrive at the finish.

To print the race ranking, press the black triangle next to the <Print> button and select “Finish”. Select “Preview”. Press “Summary” to display the general ranking for the series.

3.4 Guided creation of an athletics race

This guided creation gives the first steps for creating an athletics race. The following steps will be shown:

- Initial settings
- Data reception and printing of ranking

3.4.1 Initial settings

The initial settings are the same as those given in para. 3.1.1 on p. 14.

In this case the data to be entered on the race sheet are as follows:

Name of race: Athletics race

Program: Simple stopwatch

Configuration: Athletics

Discipline: (None)

Specialisation: (None)

Place: Trento

3.4.2 Reception and printing of ranking

After creating a start list as described in para. 3.1.2 Creating a start list and sending it to the Rei2 stopwatch on p. 15, it is possible to run a race on the stopwatch.

It is advisable to enter the name for each race in the “Race Name” box above the results grid. If, for example, the first three races are men’s 800 meters track races, the name “Men’s 800m” could be entered. If this is done, as well as seeing the race name on the printouts, it is also possible to see the summary of all three heats by pressing on the button “Summary” or selecting the “Series Finish” printouts.

- In the athletics configuration the run number is the number of the race currently being run on the stopwatch.

If the stop button on the stopwatch is pressed a few times, the results grid fills with data coming from the stopwatch. To fully exploit the potentialities of MiSpeaker, with the REI2 stopwatch the tick output should be set to a second. During data download the following symbol  must rotate at the bottom right of the PC monitor. If it does not, check the connection between the program and the stopwatch.

MiSpeaker - CRONO BASE

File Edit Communication Setting View Tools Displayboard Language About Help

Run Time

Run 2

Ranking - Run 2 Run 2

Finish	Rnk	Num	Time	Name	Club
1	1	15	10,35	Tomasi M.-Pezzi U.	BREN TEAM
2	2	17	10,62	Giovannini R.-Amorth G	SC PERGINE
3	3	16	10,86	Agostini S.-Bonvecchio E.	BREN TEAM
4	4	18	11,14	Senter G.-Santoni D.	TEAM CARPENTARI

Right button for info

Save
Refresh
Communication
Print
Start Lists
Setting
Groups
Export
Data sending/request
Lists
Race data
Info Speaker

Figure 16 – Simple Stopwatch

When the competitors finish, the data are presented in the results table without the competitors' names. To display the names the bib numbers must be entered. Place the cursor on the row of the grid containing the athlete data to be changed, write the bib number or double-click with the mouse or press <F2> and then enter the bib number.

If the bib number that arrives from the stopwatch is a number already in the memory, you will be asked to change the bib.

To print the race ranking, press on the <Print> button and select "Finish". Select "Preview".

Set the next heat on the stopwatch and run the race making a few athletes arrive at the finish.

To print the race ranking, press the <Print> button and select "Finish". Select "Preview". Press "Summed up" to display the general ranking for the series.

3.5 Guided creation of a parallel race

This guided creation gives the first steps for the construction of a parallel race. The following steps will be shown:

- Initial settings
- Creation of a start list for the semi-finals
- Data reception and printing of ranking
- Track inversion for the second run.
- Sorting of winners for the final
- Data reception of the final and printing of general ranking

3.5.1 Initial settings

The initial settings are the same as those given in section 3.1.1 on p. 14.

The data to be entered in the race sheet in this case are the following:

- Race name: Parallel race
- Program: Parallel salom
- Configuration: Snowboard
- Place: Trento

3.5.2 Creation of a start list

Now a start list for uploading onto the stopwatch can be created. Press the <Start lists > button.

Enter the following data in the lanes:

Bib	Code	Surname	Name
13	13	Basso	Giorgio
12	12	Piccoli	Gianni
11	11	Rossi	Alberto
10	10	Giorgi	Luigi



Figure 17 – Parallel program start lists

If the stopwatch REI2 is being used, it is possible to send the list to the stopwatch by pressing the <Download> button and selecting the items “Competitor list” and then “Starting order”. The data will be correctly uploaded onto the stopwatch.

To print the start list, press the <Print> button and select “List”, then “Single run” and “Preview”. To return to the results grid, press “Exit”.

3.5.3 Reception and printing of ranking

Now it is possible to run a race on the stopwatch, start the four competitors entered and make the two pairs finish. The grid fills with the data coming from the stopwatch. To fully exploit the potentialities of MiSpeaker, with the REI2 stopwatch the tick output should be set to a second. During data download the following symbol 🌀 must rotate at the bottom right of the PC monitor. If it does not, check the connection between the program and the stopwatch.

To view the races press <Setting> and select “View challenges” “Yes” or press the button <Challenges>.

To print the race ranking, press the <Print> button and select “Finish”. Select “Preview”.

3.5.4 Track inversion for the second run

Return to the start lists by pressing the relative button. Press the <Bibo> button.

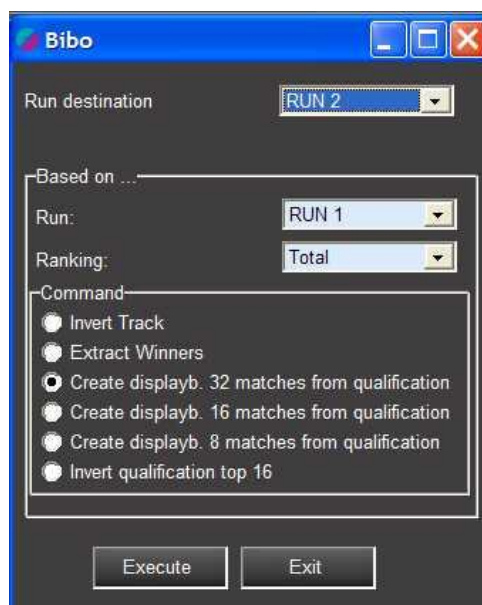


Figure 18 – Parallel Bibo

After setting the correct parameters, press the <Execute> button. Exit by pressing <Exit> and select “Run” “2”. Upload the lists onto the stopwatch by following the previous instructions and make the two pairs start and finish in run 2.

3.5.5 Extracting winners for the final

Perform the operations in the last paragraph. In this case the “Command” to select is “Extract winners”. Exit by pressing <Exit> and select “Run” “3”. Upload the lists onto the stopwatch by following the previous instructions. To send the run selected press <Send \ Request> → “Send start lists” → “Run selection”

Make the pair start and finish in run 3.

3.5.6 Data reception of the final and printing of general ranking

Repeat track inversion as in the last paragraph. Resend “Run selection”. Perform the last run.

To print the race ranking press the <Print > button and select “Finish”. Select “Preview”. To add also the two athletes excluded from the final, set run to “General”.



Figure 19

3.6 Connection to other devices

3.6.1 IPICO

The MiSpeaker can be used in various ways.

- Connected directly to the IPICO device using the PC's internal stopwatch

Connect the computer to the IPICO device with a network cable. Press the <Communication> button and then select "Network Device".

Choose the type of device: Elite or Lite. Depending on the chosen device will also change the base IP address

ATTENTION: Set the computer's IP address in order to have the first 3 digits like the device. For example in the case of use of Elite with IP address 10.19.1.101 it might be set equal to 10.19.1.1

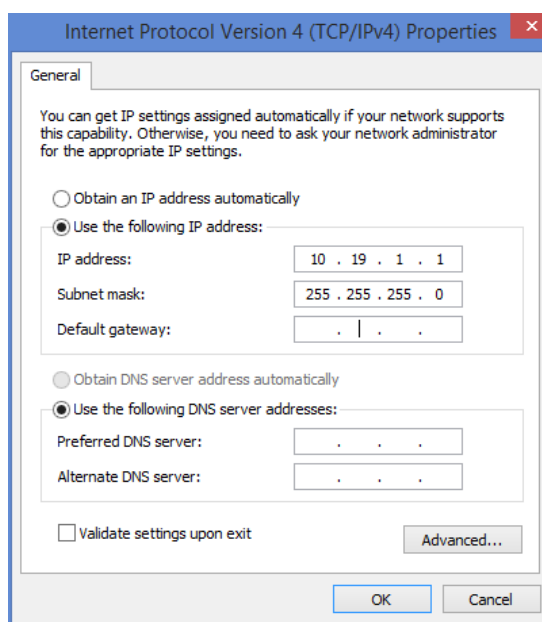


Figure 20 - Example setting IP address

Enter the IP address of the device. Select the type of event. "PROGRESSIVE" event means producing an incremental event each time the mats are crossed. For example, the first time there will be a START, the second a LAP1 etc. This function is useful when there is only one mat and there is more than one transit (for example triathlon).

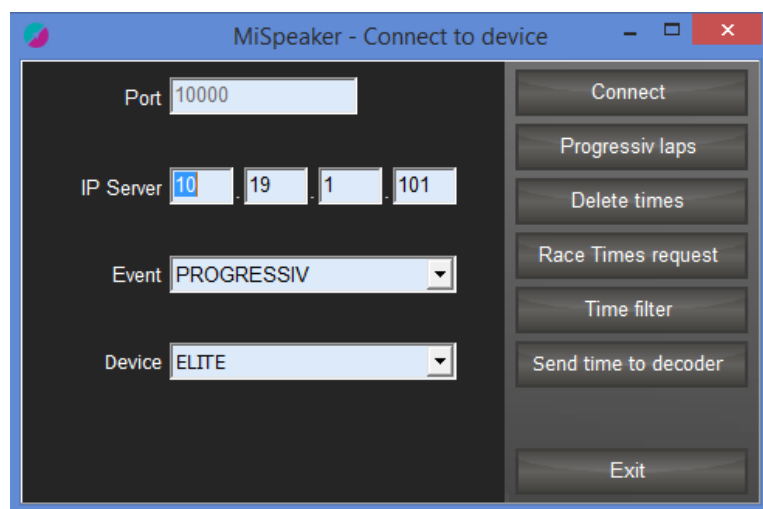


Figure 21 – Connection to IPICO

The window “Network device” must remain open during communication.

Communication with another IPICO device can be started simply by pressing <Communication> and then “Network device”.

To view an athlete’s running time press the button <Send / Request> then select “Request Running Time” and “Set Athlete” or press CTRL + A or double-click in the panel’s time to run (highlighted in red in Figura 14)

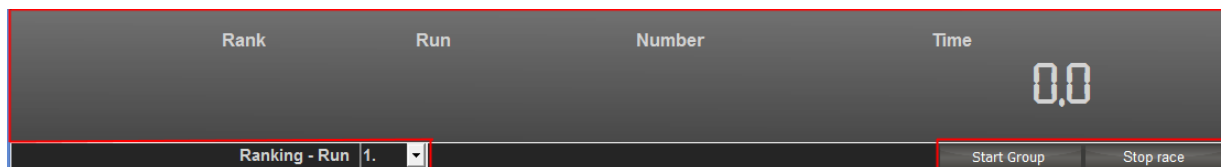


Figura 22

In this configuration, the tick comes from the computer.

The time coming from the device has a delay. So to improve viewing a delay can be set by pressing the <Settings> button “Running Time delay”.

To manage the group’s start, a START impulse must be given (pressing the button <Start Group> or see 5.9 New Time Event on p. 49).

With <Delete times> all time the decoder will be deleted

With <Race Times request> you can have all time by the decoder

With <Send time to decoder> you can synchronize the decoder with the current time of the computer.

- Connected directly to the IPICO device using the REI2 stopwatch

This mode of use is similar to the last one. In this case the data come from the REI2 stopwatch. Set the PC-online program and activate the tick output at a rate of every second.

To manage the group's start, a START impulse must be given on the stopwatch associated with the athlete or group.

- Connected directly to the IPICO device using the Master stopwatch

As well as in on-line mode, the data can be transferred off-line: retrieve the IPICO file with the extension ".txt", then select "File" → "Import" → "Special" → "IPICO data".

IPICO also provides a desktop reader. The management of the event is identical to that of the reader connected to the antenna. To enable communication with the desktop reader must go to <Communication>, choose "IPICO" interface and set the COM port to which the reader is attached table.

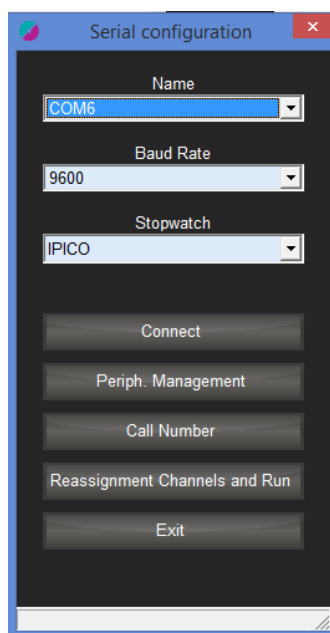


Figura 23: Serial configuration

3.6.2 FinishLynx

Using serial cable

To use MiSpeaker with the FinishLynx race management program a crossed serial cable should be used or the program that can be download from <http://com0com.sourceforge.net/> should be installed. To select the serial ports run the “Set up” program that can be found in the folder com0com amongst the installed programs. With this program create two virtual serial outputs such as, for example, COM21 and COM22.

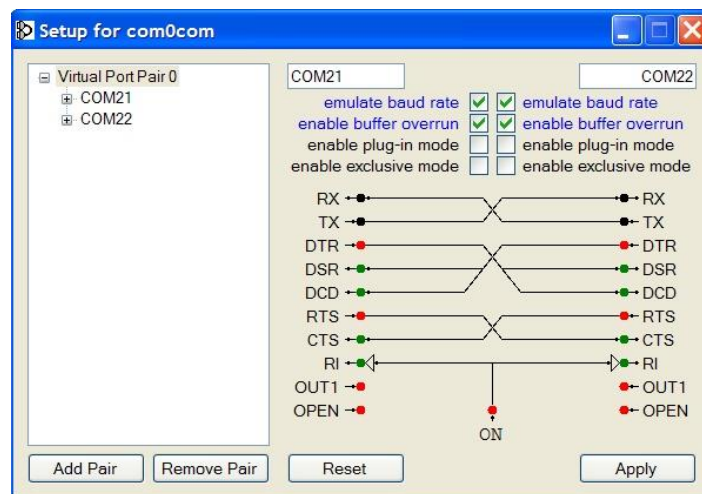


Figure 24 – set up of com0com

If for example a data item is sent on the serial COM21 this is then forwarded to COM22.

Create a race on MiSpeaker and select FinishLynx as the stopwatch. Press the button <Communication> and set Serial 1 to COM21.

Copy the Lynx2MiSpeaker.lss that can be found in the folder /MiSpeaker/ FinishLynx directly into the Lynx folder. Run the FinishLynx program and change the displayboard output by selecting the file Lynx2MiSpeaker.lss. Set the serial port to COM22.

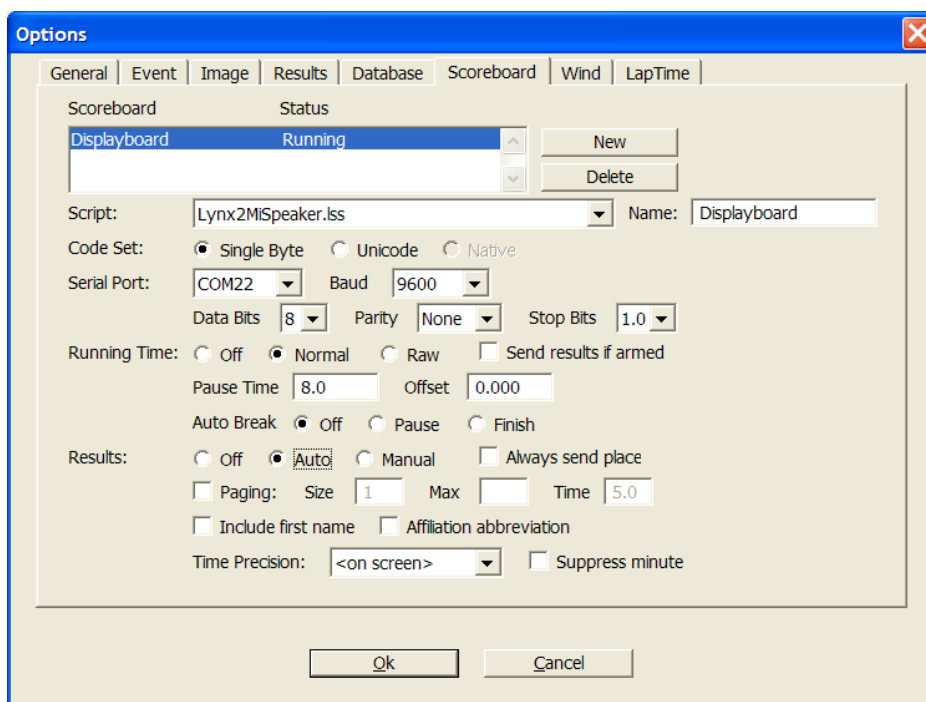


Figure 25 – Setup Displayboard

If the race has already been made, select “update displayboards” in the FinishLynx program.

Using network

You can use MiSpeaker with the program FinishLynx over the network on a separate computer or on the same computer.

Copy the file Lynx2MiSpeaker2.lss located in the / MiSpeaker / FinishLynx directly in the folder Lynx. Start the FinishLynx program and change the displayboard output choosing file Lynx2MiSpeaker2.lss. You also have to set the Serial Port as "Network (listen)" and Port to 1971.

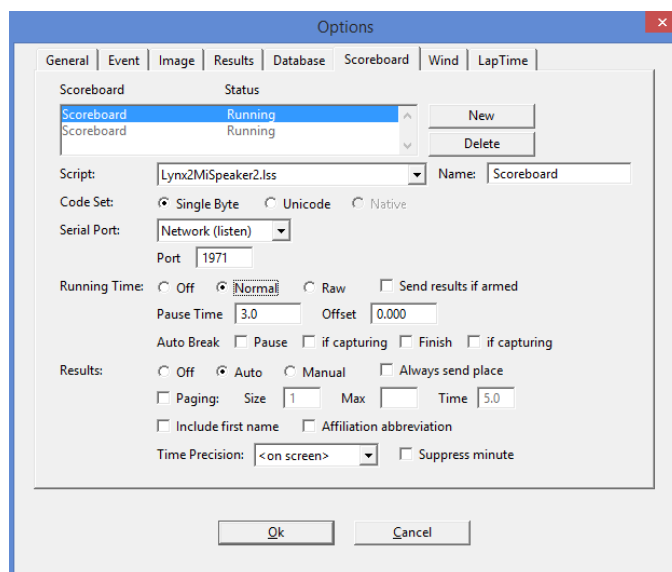


Figura 26– Setup Displayboard (network)

Then create a race of MiSpeaker and choose stopwatch FinishLynx.

In MiSpeaker go to the menu "Internet Data Exchange", set the connection type to "FinishLynx over SerialLynx". Set the IP address of the computer where is the program FinsihLynx. If it is on the same computer you can enter 127.0.0.1.

Then press <Connect> to connect to the program Finish Lynx.

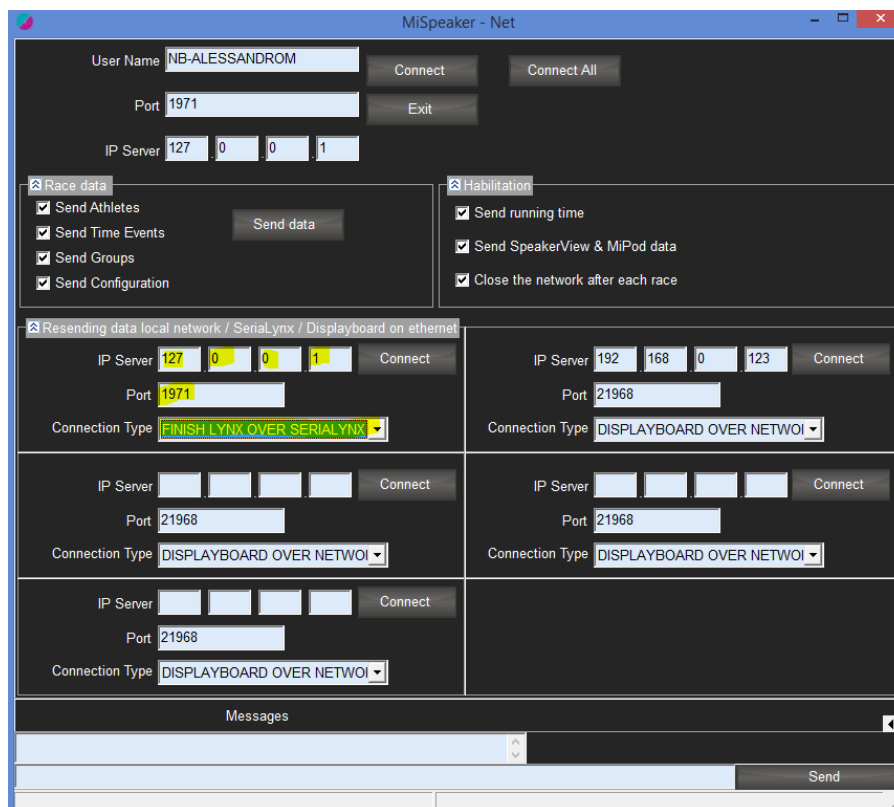


Figura 27 - Connecting Finish Lynx over network

3.6.3 AMB

The MiSpeaker can be used in various ways.

- Connected to the Orbit program

Install the VirtualCom program as for FinishLynx. Set the serial port between COM1 and COM8. Select "emulate baud rate" and "enable buffer overrun" (see Figure 24). Run the Orbit program and select the serial port set in the menu "Scoreboard setting". To verify the software the trace simulator can be run.

- Connected directly to the AMB device using the PC's internal stopwatch

Connect the computer to the AMB device with a network cable. Press the <Communication> button and then select "Network device". Enter the IP address of the device. Select the type of event. "Progressive" event means producing an incremental event each time the mats are crossed. For example, the first time there will be a START, the

second a LAP1 etc. This function is useful when there is only one mat and there is more than one transit (for example triathlon).

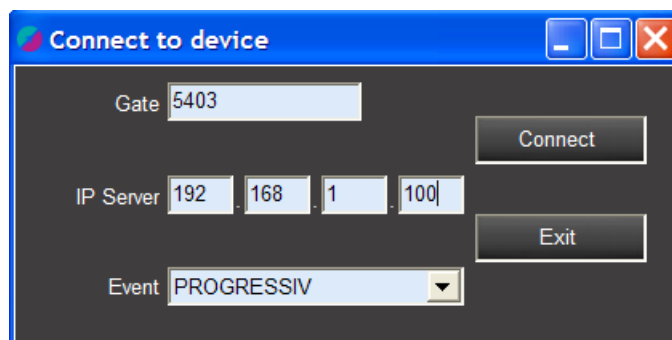


Figure 28 – Connection to AMB

The window “Network device” must remain open during communication.

Communication with another AMB device can be started simply by pressing <Communication> and then “Network device”.

To view an athlete’s running time press the button <Enter / Data request> then select “Request Running Time” and “Set Athlete” or press CTRL + A. In this configuration the tick comes from the computer.

The time coming from the device has a delay. So to improve viewing a delay can be set by pressing the <Settings> button “Running Time delay”.

To manage the group’s start, a START impulse must be given (see 5.9 New Time Event on p. 49).

- Connected directly to the AMB device using the REI2 stopwatch

This mode of use is similar to the last one. In this case the data come from the REI2 stopwatch. Set the PC-online program and activate the tick output at a rate of every second.

To manage the group’s start, a START impulse must be given on the stopwatch associated with the athlete or group.

- Connected directly to the AMB device using the Master stopwatch

As well as in on-line mode, the data can be transferred off-line: retrieve the AMB file with the extension “.p3”, then select “File” → “Import” → “AMB Transits”.

3.6.4 ChampionChip

Connect the computer to the ChampionChip device with a network cable. Press the <Communication> button and then select “Network device” and press the <Connect> button.



Figure 29 –ChampionChip Connection

Run the ChampionChip ReadLite program and in the box “Choose location or type one” enter:

- START if the antenna is used at the start
- STOP if the antenna is used at the finish
- LAP1 if the antenna is used at the first intermediate
- LAP2 if the antenna is used at the second intermediate
-
- PROGRESSIVE means producing an incremental event each time the mats are crossed.

After selecting the event, you must select TCP and press the <Connect> button.

The window “Network device” must remain open during communication. More than one ChampionChip devices can be connected. To view an athlete’s running time press the button <Send / request data> then select “Request Running Time” and “Set Athlete” or press CTRL + A. In this configuration the tick comes from the computer.

The time coming from the device has a delay. So to improve viewing a delay can be set by pressing the <Settings> button “Running Time delay”.

To manage the group’s start, a START impulse must be given (see 5.9 New Time Event on p. 49).

As well as in on-line mode, the data can be transferred off-line: retrieve the ChampionChip file with the extension “.txt”, then select “File” → “Import” → “ChampionChip data”

4 Database

MiSpeaker consists of two databases: Athletes and Races.

The Athletes database can be used, for example, to insert all the athletes enrolled in a federation. In the case of ski races all the FIS athletes can be inserted by importing the relative database.

The Races database contains all the races run.

When it is launched, MiSpeaker will automatically create the two databases. The database file for the races is situated in the folder DBGARE of the program directory, while the one for the athletes is in the folder DBATLETI.

To create new databases or open one already created, select the New commands from the menu File – Database – XXX to create a new database or Explore to select a database that already exists (see Figure 30).

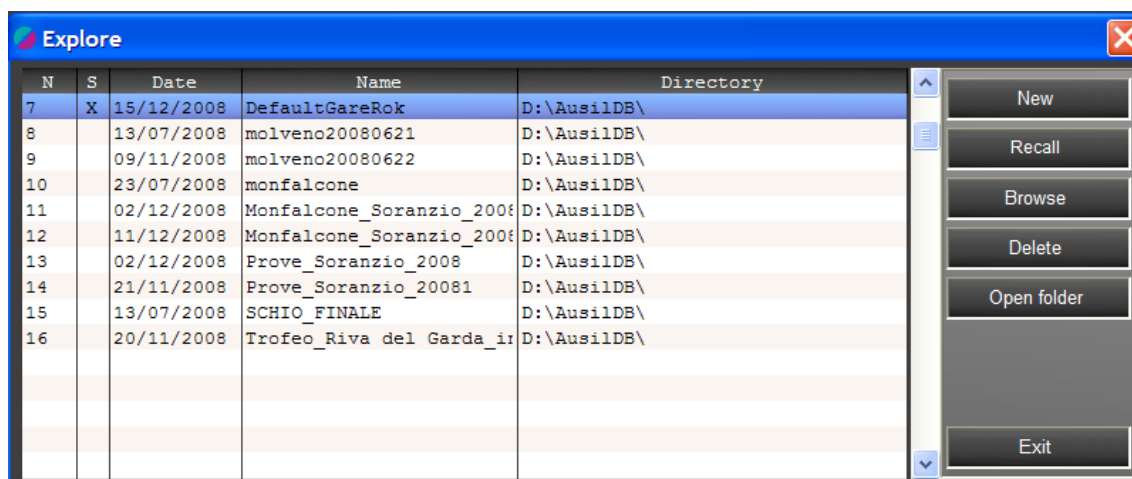


Figure 30 – Explore races database

The commands available are:

New: creates a new database

Recall: calls up a selected database

Browse: option of selecting a directory containing the race database

Delete: deletes the database selected

Open folder: opens the folder containing the database files

5 Functions

A description of the functions of the MiSpeaker program follows below. Some parts are described differentiating the features of each program: Single Starts, Group Starts, Simple Stopwatch, Show Jumping, Swimming, Parallel Slalom, Dual time

5.1 Parameter search

Next to some grids you will see the parameter search window.

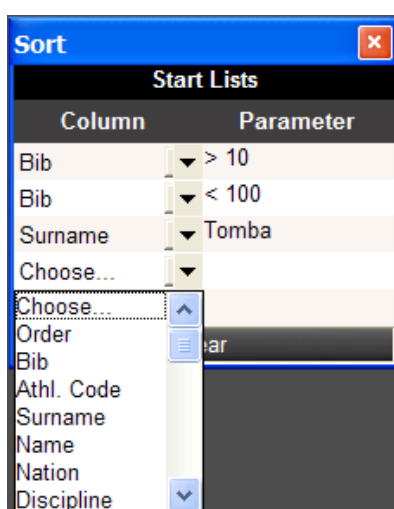


Figure 31 – Parameter search

In “Column” the fields for filtering data can be selected, while in “Parameter” the values for each field selected must be entered. The numerical fields (for example “Points”) can also be filtered using the symbols ‘<’ ‘>’ and ‘=’. To remove the filter press the <Clear> button.

While keying in takes place in the “Parameter” field, the “Arrow” keys and the “Enter” key on the keyboard are active for moving the cursor and performing the operation respectively.

5.2 Race sheet

Information about the race to be timed can be inserted in the Race Sheet. Some fields are necessary to distinguish the type of race and will be indicated with (*).

The fields available are:

Race name*

Stopwatch*: REI2, Racetime2, Alge, Master, FinishLynx, AMB, ChampionChip

Program*: Single Starts, Group Starts, Simple Stopwatch, Show Jumping, Swimming Parallel Slalom, Dual time

Configuration*: choices available for each program

Place: place where race takes place

Date: date of race

Organizer Club: it is possible to choose from the clubs proposed or add others

Discipline: it is possible to choose from the disciplines proposed or add others

Nation: nation where race takes place

Specialization: it is possible to choose from the choices proposed or add others

Enrolment fee

Category: it is possible to choose from the categories proposed or add others

Sex: M for men, F for women and A for mixed

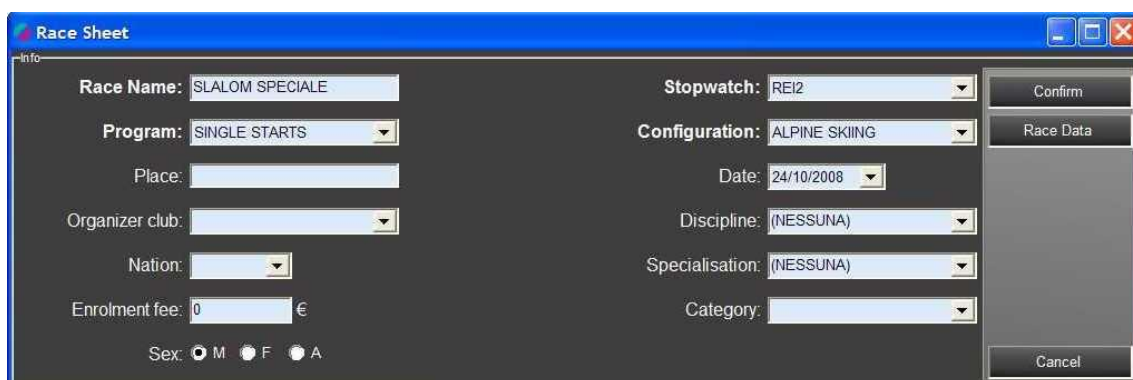


Figure 32 – Race sheet

Select “**Keep last race configuration**” to keep the setting of the last race done.

If the option “**Use default grid**” is selected, the table below changes to show the fields appropriate for the type of race. All the fields can be set by the user: it is possible to select / deselect a field, change its name and change the size of the field column.

Selecting <Race data> makes it possible to enter other race data.

In the folder <Record> it is possible to insert the race records for the various categories.

This information will then appear in the printouts.

Press “Confirm” to save the data inserted, “Cancel” to exit without saving.

5.3 Display

5.3.1 Programs: Single Starts, Group Starts, Show Jumping

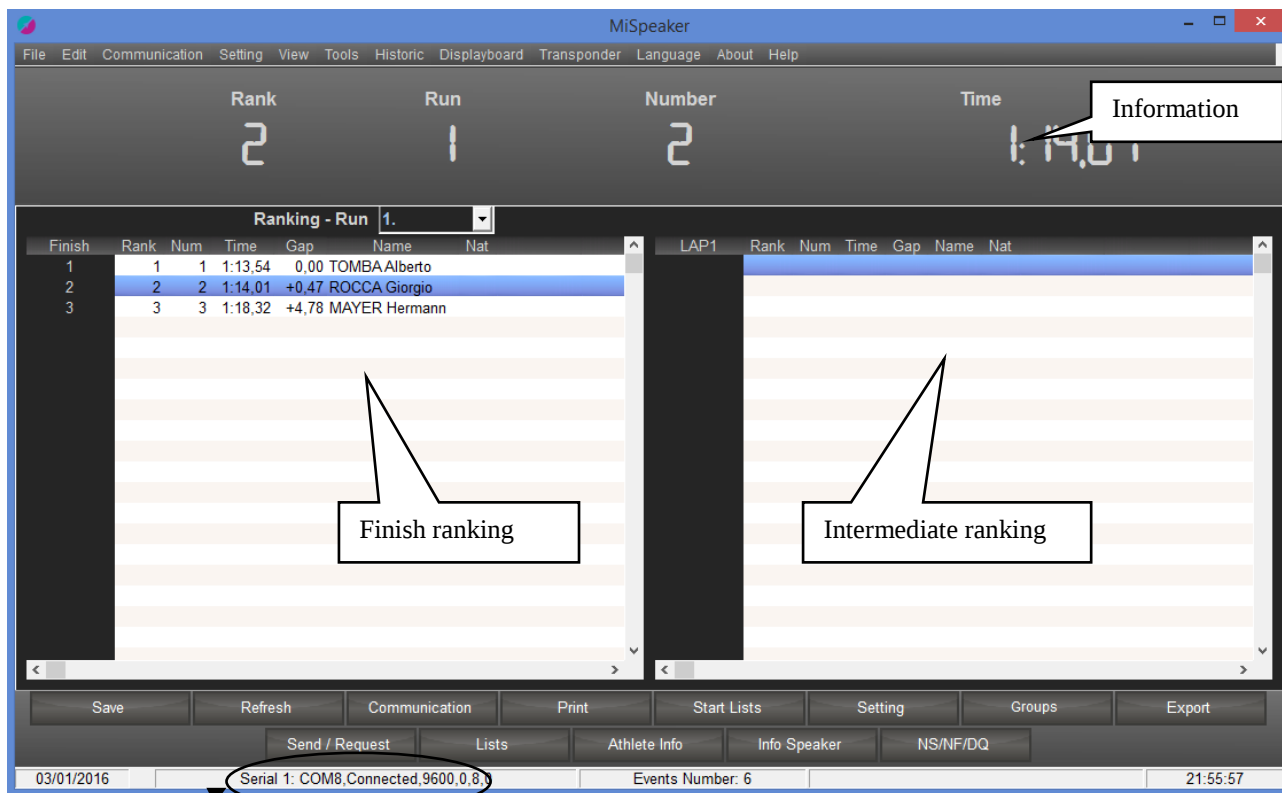
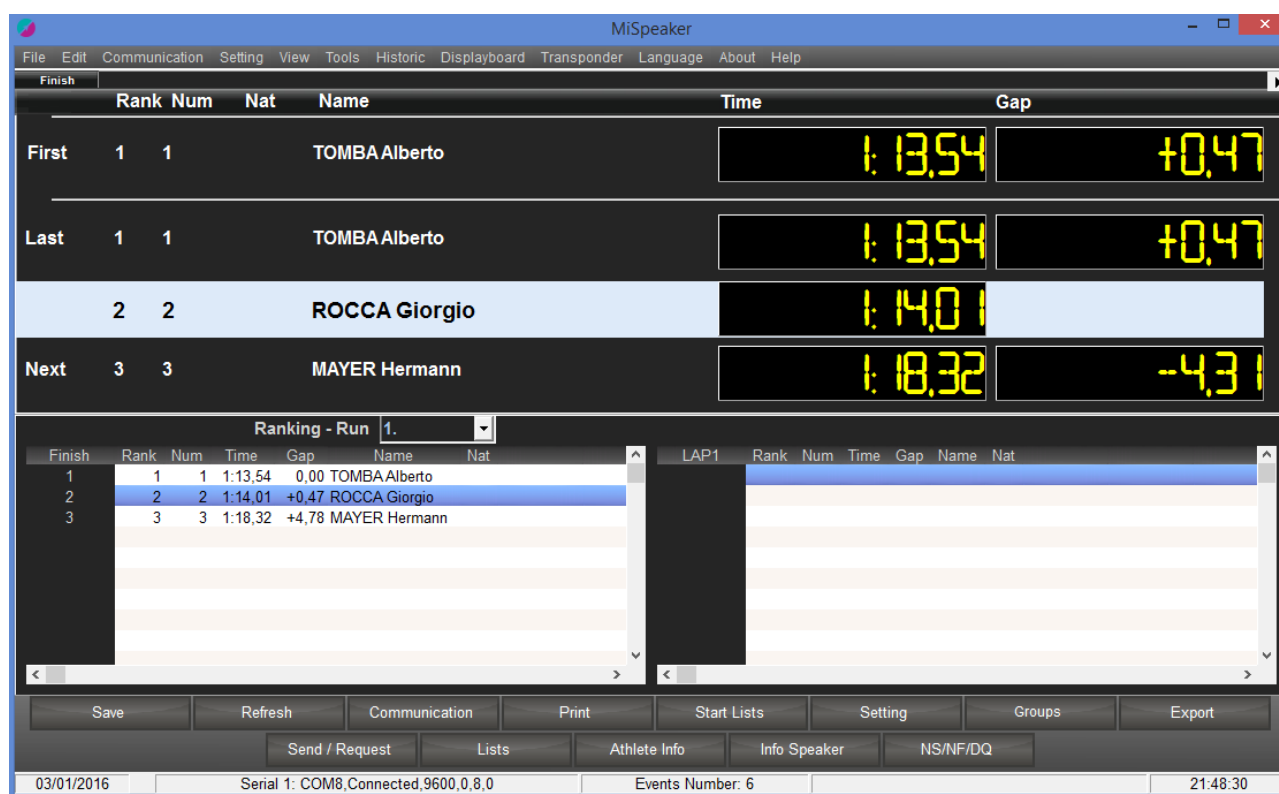


Figure 33 – Display for Single Starts, Group Starts and Show Jumping

The display is divided into two different parts. At the top is the athlete's **Running time** in which running time and the data of the athlete shown on the stopwatch are displayed (it is advisable to activate the one-second tick output on the REI2 stopwatch and the PC-Online displayboard on the Racetime2 stopwatch).

If you select <Time to beat> from the menu View – Information, the time of the first in the ranking, the time of the previous athlete, the time of the current competitor and the next in the ranking are displayed in this order (see Figure 34). This display is suitable, for example, in cycling time trials.



The screenshot shows the MiSpeaker software interface. At the top, there's a menu bar with options like File, Edit, Communication, Setting, View, Tools, Historic, Displayboard, Transponder, Language, About, and Help. Below the menu, there's a 'Finish' button and a table of race results. The table has columns for Rank, Num, Nat, Name, Time, and Gap. The first three rows are highlighted: 'First' (Rank 1, Num 1, Name TOMBA Alberto, Time 1:13,54, Gap +0,47), 'Last' (Rank 1, Num 1, Name TOMBA Alberto, Time 1:13,54, Gap +0,47), and 'Next' (Rank 3, Num 3, Name MAYER Hermann, Time 1:18,32, Gap -4,31). Below this, there's a 'Ranking - Run' section with a dropdown menu set to '1.'. This section contains two tables. The first table shows the top three finishers: 1. TOMBA Alberto (1:13,54, 0,00 gap), 2. ROCCA Giorgio (1:14,01, +0,47 gap), and 3. MAYER Hermann (1:18,32, +4,78 gap). The second table shows the top three finishers for the next stage: 1. ROCCA Giorgio (1:14,01, +0,47 gap), 2. MAYER Hermann (1:18,32, +4,78 gap), and 3. TOMBA Alberto (1:13,54, 0,00 gap). At the bottom, there's a status bar with information like '03/01/2016', 'Serial 1: COM8, Connected, 9600, 0, 8, 0', 'Events Number: 6', and '21:48:30'.

Rank	Num	Nat	Name	Time	Gap
First	1	1	TOMBA Alberto	1:13,54	+0,47
Last	1	1	TOMBA Alberto	1:13,54	+0,47
	2	2	ROCCA Giorgio	1:14,01	
Next	3	3	MAYER Hermann	1:18,32	-4,31

Finish	Rank	Num	Time	Gap	Name	Nat
1	1	1	1:13,54	0,00	TOMBA Alberto	
2	2	2	1:14,01	+0,47	ROCCA Giorgio	
3	3	3	1:18,32	+4,78	MAYER Hermann	

LAP1	Rank	Num	Time	Gap	Name	Nat
	1	2	1:14,01	+0,47	ROCCA Giorgio	
	2	3	1:18,32	+4,78	MAYER Hermann	
	3	1	1:13,54	0,00	TOMBA Alberto	

Figure 34 – Time to beat

In these sectors you can see the information displayed athlete going with the cursor over the data and pressing the left mouse button.

In the second sector the race **Rankings** such as the finish and the intermediate stage are shown. The number of the intermediate stage can be selected by the user or the automatic choice of the last intermediate stage can be set.

If the show jumping program is being used, in the Time to beat box instead of the gap, the competitors' penalties are shown.

5.3.2 Swimming Program

The screenshot displays the MiSpeaker Swimming Program interface. It features a menu on the left with options like Series, Save, Refresh, Communication, Print, Start Lists, Setting, Export, Data sending/request, Lists, Race data, and Info Speaker. The main area is divided into two sections: 'Current heat' and 'Next heat'. The 'Current heat' section shows a list of athletes with their names, regions, and times. The 'Next heat' section shows a list of athletes for the next race. Below these sections, there are two ranking tables: 'Ranking - Run' and 'Ranking - Run' (intermediate). The 'Ranking - Run' table shows the overall ranking of athletes, while the 'Ranking - Run' (intermediate) table shows the intermediate ranking of athletes. Callouts point to various elements: 'Current heat' points to the top left list, 'Data of race in progress' points to the 'Ranking - Run' table, 'Next heat' points to the top right list, 'Finish ranking' points to the 'Ranking - Run' table, and 'Intermediate ranking' points to the 'Ranking - Run' (intermediate) table.

Current heat

Data of race in progress

Next heat

Finish ranking

Intermediate ranking

Finish	Pos	Co	Nome	Regione	Tempo	Dist.	P.ti
1	1	6	D'ARRIGO Andrea Mitc.	RAPP. LAZIO	2:22.93	0.00	21.000
2	2	4	ROSSO Christian	RAPP. PIEMONTE	2:23.00	+0.07	19.000
3	3	2	SALVIATI Francesco	RAPP. TOSCANA	2:26.12	+3.19	18.000
4	4	5	MAURI Luca	RAPP. LOMBARDIA	2:26.16	+3.23	17.000
5	5	1	MASTROIACOVO Mattia	RAPP. EMILIA ROMAG	2:31.00	+8	
6	6	7	FRATIER Jacopo	RAPP. VENETO	2:31.42	+8	
7	7	6	PINNA Riccardo	RAPP. SARDEGNA	2:32.28	+9.35	13.000
8	8	3	FAVARO Alberto	RAPP. FRIULI VENEZ	2:32.31	+9.38	12.000
9	9	8	ZAMORA Davide	RAPP. LIGURIA	2:33.31	+10.38	11.000
10	10	5	RUSSO Marco	RAPP. CALABRIA			

LAP1	Pos	Co	Nome	Regione	Tempo	Dist.
1	1	7	FRATIER Jacopo	RAPP. VENETO	10.21	0.00
2	2	2	SALVIATI Francesco	RAPP. TOSCANA	1:08.26	+58.05
3	3	6	D'ARRIGO Andrea Mitchell	RAPP. LAZIO	1:09.40	+59.19
4	4	4	ROSSO Christian	RAPP. PIEMONTE	1:10.69	+1:00.48
5	5	5	MAURI Luca	RAPP. LOMBARDIA	1:11.44	+1:01.23
6	6	8	ZAMORA Davide	RAPP. LIGURIA	1:11.95	+1:01.74
7	7	3	FAVARO Alberto	RAPP. FRIULI VENEZIA GIULIA	1:13.49	+1:03.28
8	8	1	MASTROIACOVO Mattia	RAPP. EMILIA ROMAGNA	1:13.49	+1:03.28
9	9	6	PINNA Riccardo	RAPP. SARDEGNA	1:13.68	+1:03.47
10	10	5	RUSSO Marco	RAPP. CALABRIA	1:13.69	+1:03.48

Figure 35 - Display for Swimming

The display is divided into two sectors. In the first sector the data about the race in progress are shown, with the athletes of the current heat and the one after highlighted. The athlete's data can be viewed by double-clicking the mouse on the athlete's name. If the right mouse button is pressed, the actions available for that athlete appear.

In the second sector the finish and intermediate rankings are shown. Also in this case it is possible to opt to display only the finish ranking, only the intermediate ranking or both.

If the button <Summary> is pressed, the results of the different heats that make up the series are shown.

If "Run" "All" is selected, all the races swum are shown. In this case the competitors are not shown in the "Current heat" and "Next heat" cells.

To view the data of the race in progress, press the <Race Data> button.

5.4 Programs: Simple Stopwatch and PC-Online

If the Simple Stopwatch program is used, the data are presented in succession in the finish ranking without the respective name and bib number.

To change the bib number, you must key in the number or double-click the left mouse button on the corresponding row or press the key <F2>. You must then enter the correct bib number and confirm by pressing the <Enter> key. If this last operation is not performed, the previous bib number remains.

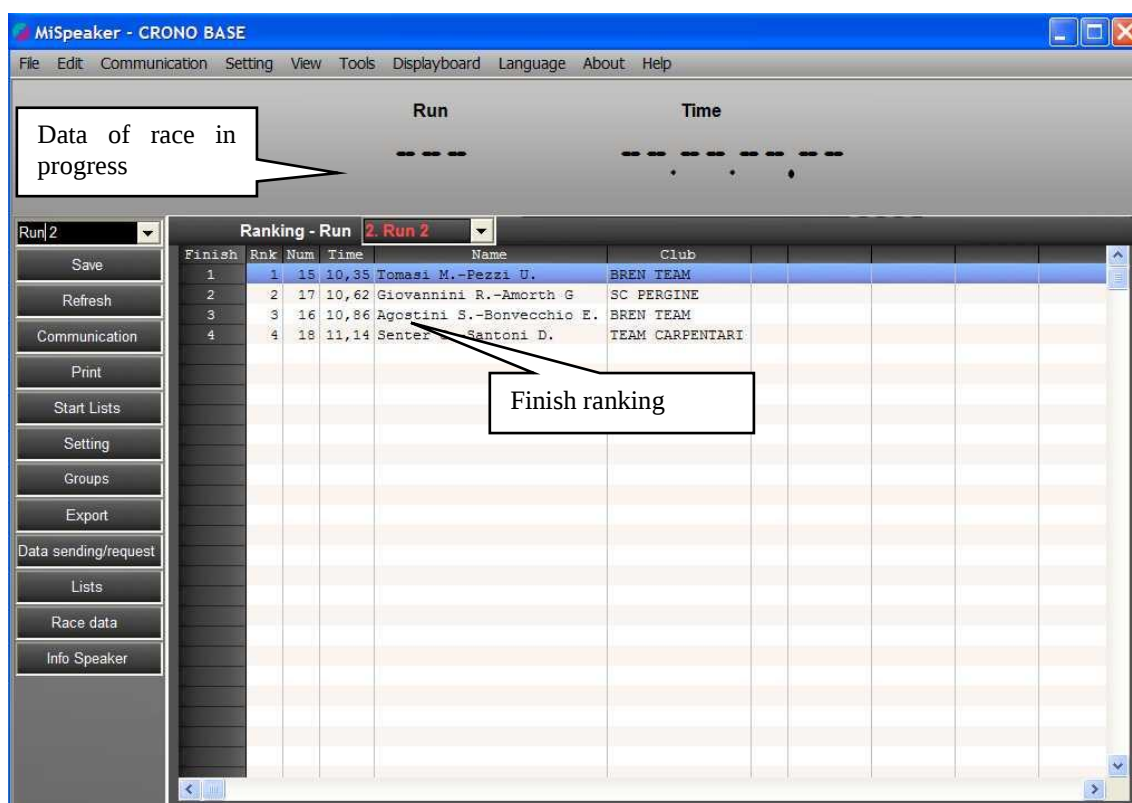


Figure 36 - Display for Simple Stopwatch

5.5 Communication parameters

The program automatically sets the communication parameters so they correspond to the default ones activated on the stopwatch. To change the communication parameters, press <Communication> button.



Figure 37 – Serial configuration – unconnected status



Figure 38 – Serial configuration – connected status

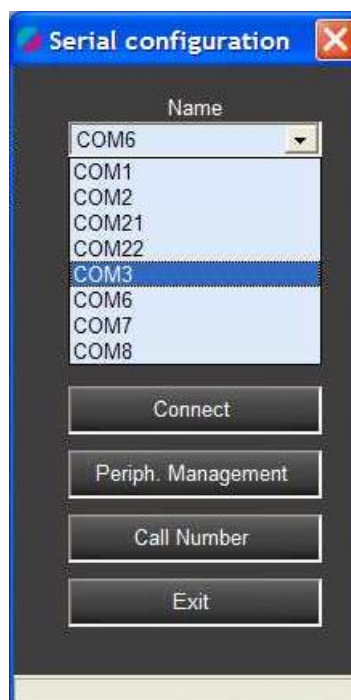


Figure 39 – Serial configuration – choices

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Clicking the drop-down button next to each parameter opens the list of possible choices. Then select the value required from the list.

Clicking on “Stopwatch” makes it possible to select the type of stopwatch connected.

To activate communication with the stopwatch, click the button <Connect> , to end communication, click <Disconnect>.

After setting the correct configuration, click <Exit> o save the configuration.

By pressing < Peripherals Management> you access the Windows peripherals management menu.

In this menu it is possible to change the name of the serials installed.

If, when using a USB/Serial adaptor, you are unable to connect the peripheral, you should disconnect the cable, reconnect it, select the correct COM and finally try to reconnect.

If you press the button <Call Number> with a modem connected to the serial, it is possible to call the telephone number of another modem. This function is suitable if, for example, there are several timing stations, each one connected to a modem. MiSpeaker supports a maximum of four modems connected to the same computer. The data received from a stopwatch are forwarded to the other stopwatches connected so that all the stopwatches have the same data. It is advisable to set the serial tick only on one of the connected stopwatches, preferably on the one for the finish.

5.6 General settings

This function, which can be called up from the Settings – General Settings menu, makes it possible to set some values of a general kind. The values that can be set regard the timing session.

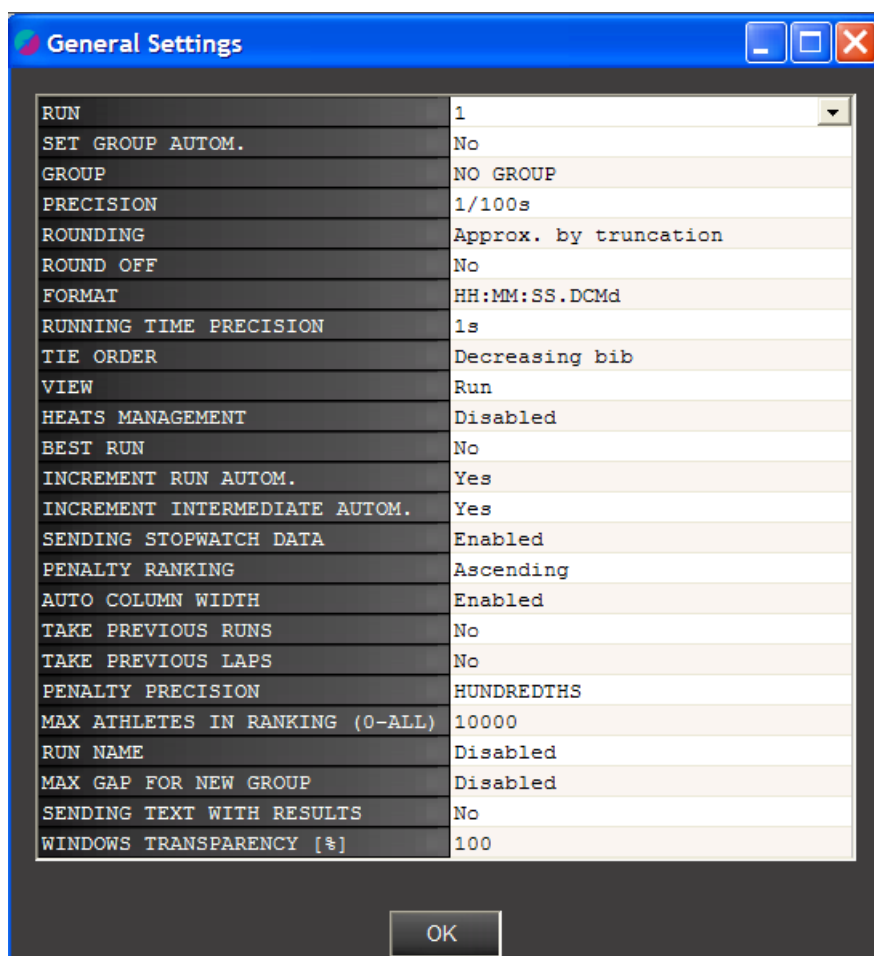


Figure 40 – General settings

The values that can be set are given below. The values indicated with ¹ are for the single or group starts program, with ² for show jumping, with ³ for swimming, with ⁴ for parallel or track chase, ⁵ for AMB, IPICO and ChampionChip.

Run (Race): possibility of selecting the runs for the rankings. If **All** is selected, the ranking is based on all the runs made.

Precision – Rounding – Round off: parameters concerning the management of times

Format: the format can be the classical HH:MM:SS.DCMd or only seconds SSSSS.DCMd (used as the default setting in the show jumping program)

Running time precision: parameter for management of running time

Running time precision tab/speakerview: parameter for management of running time on displayboard/speakerview

Competition²: type of competition

Tie order: ranking mode if one or more competitors have the same time

Sort to arrival order: the ranking is sorted according to the arrival time of day

View: the viewing of times can be run (time of single run) or total (sum of times)

Data reception (Racetime2 - Alge): the receiving of times can be run (time of single run) or total (sum of times)

Heats management¹: activating this function makes it possible to set more than one heat in a run (can be used in ko sprint races)

Best run¹: if active, MiSpeaker automatically chooses the best runs made

Increment run autom.: if the run of the athlete whose running time is displayed changes, all the rankings are automatically recreated on the basis of that run

Increment intermediate autom.: ¹: if MiSpeaker receives a time for a lap higher than the one displayed, the ranking is recreated on the basis of that intermediate event

Sending stopwatch data¹: data modified or received via internet reception are sent to the stopwatch (which will change the event stored) to maintain synchronization between the database on the computer and that on the stopwatch

Set group autom.¹: if the bib number of the athlete whose running time is displayed changes, all the rankings are automatically recreated on the basis of the athlete's group

Penalty ranking: the ranking can be calculated on the basis of an ascending or descending penalty order

Auto column width: the columns of the rankings automatically change their widths according to the size of the data displayed

Take previous runs: the previous runs of unqualified athletes are added to the ranking

Take previous laps¹: the ranking is updated taking the previous laps into consideration:

- Yes, take laps: displays the times of the athletes at same laps of first, otherwise displays the remaining laps of the athletes passed the finish line after the arrival of the first
- Yes, don't take laps: displays all times of the athletes passed the finish line after the arrival of the first
- Yes, take laps, all: displays the times of the athletes at same laps of first, otherwise displays the remaining laps considering also the athletes not passed the finish line after the arrival of the first
- Yes, don't take laps: displays all times considering also the athletes not passed the finish line after the arrival of the first

Take bibs³: when this function is enabled, the data are matched with the bibs, or otherwise are matched with the lane

Use unit²: the penalty is displayed in hundredths of a second or in units

1st if 0 points²: all the competitors with 0 points are considered to be first

Table Phase 1²: the table can be 'A' or 'C'

Table Phase 2²: the table can be 'A' or 'C'

Take previous laps¹: in determining the ranking, also athletes who have not completed the full number of laps are included

Max athletes in ranking¹: the number of athletes in the ranking can be changed as desired; as a result the amount of memory taken up by the MiSpeaker program will change

Run Name ¹²: a box is displayed in the main menu in which the run name can be entered. This name will appear in the printouts instead of the run number.

Max gap for new group¹: if this function is activated, the same time is given if the distance from the previous competitor is lower than the value assigned (can be used in cycling races)

Sending SMS with results: if this function is activated an application is run with which MiSpeaker communicates in order to send the athletes' results to mobile phones

Windows transparency: the transparency of some data windows can be set

View races ⁴: the results are divided on the basis of the couples put together in the start lists

Running time delay ⁵: delay in display of running times

Data display time⁵: time of net time display on screen

Effective time⁵: the effective time is calculated from the first lap to the finish. In some races (for example, marathon) a start is given but the ranking is made considering transit of the start mat.

Dead time⁵: the minimum time between one event and the next can be set to avoid false impulses.

Dynamic position on the displayboard¹²⁵: the ranking position on the table is displayed dynamically during the whole test

Capture events only after START⁵: the chips are acquired after the START event

Save passage⁵: the passages of the chips are stored. To view Edit → Test Chip

Penalty in¹: assigned penalties can be considered as scores (results are ranked first by scores and then by time) or as time (added to the total time as seconds)

Divide athletes by category³: show ranking based no category

Recycling speaker ranking page: cycle the ranking on info speaker

Fixed positions speaker ranking: set the fixed position on info speaker

Marathon mode⁵: set the optimization for race with many athletes

Inversione corsie per speakerview: send reversed lanes to speaker view (instead of the lane 1 to 10, send 10 to 1)

Follow events: the viewer of the last received event in ranking is not updated

5.7 International settings

The values that can be set are those for international PC configurations.

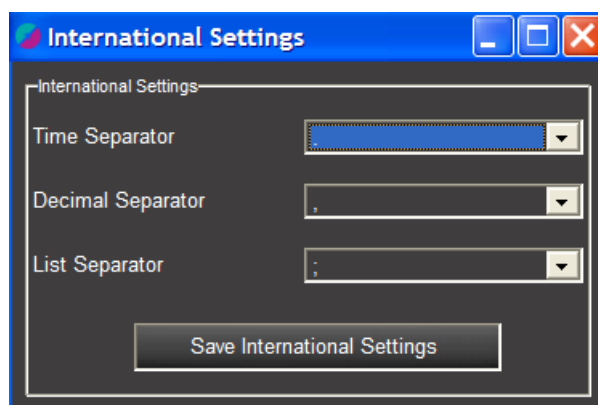


Figure 41 – International settings

If the button <Save International Settings> is pressed, the choices will stay in the memory also for the next time the computer is started up; if not, they will remain only for the current session.

5.8 Start lists

To manage the start lists press on the button <Start List>

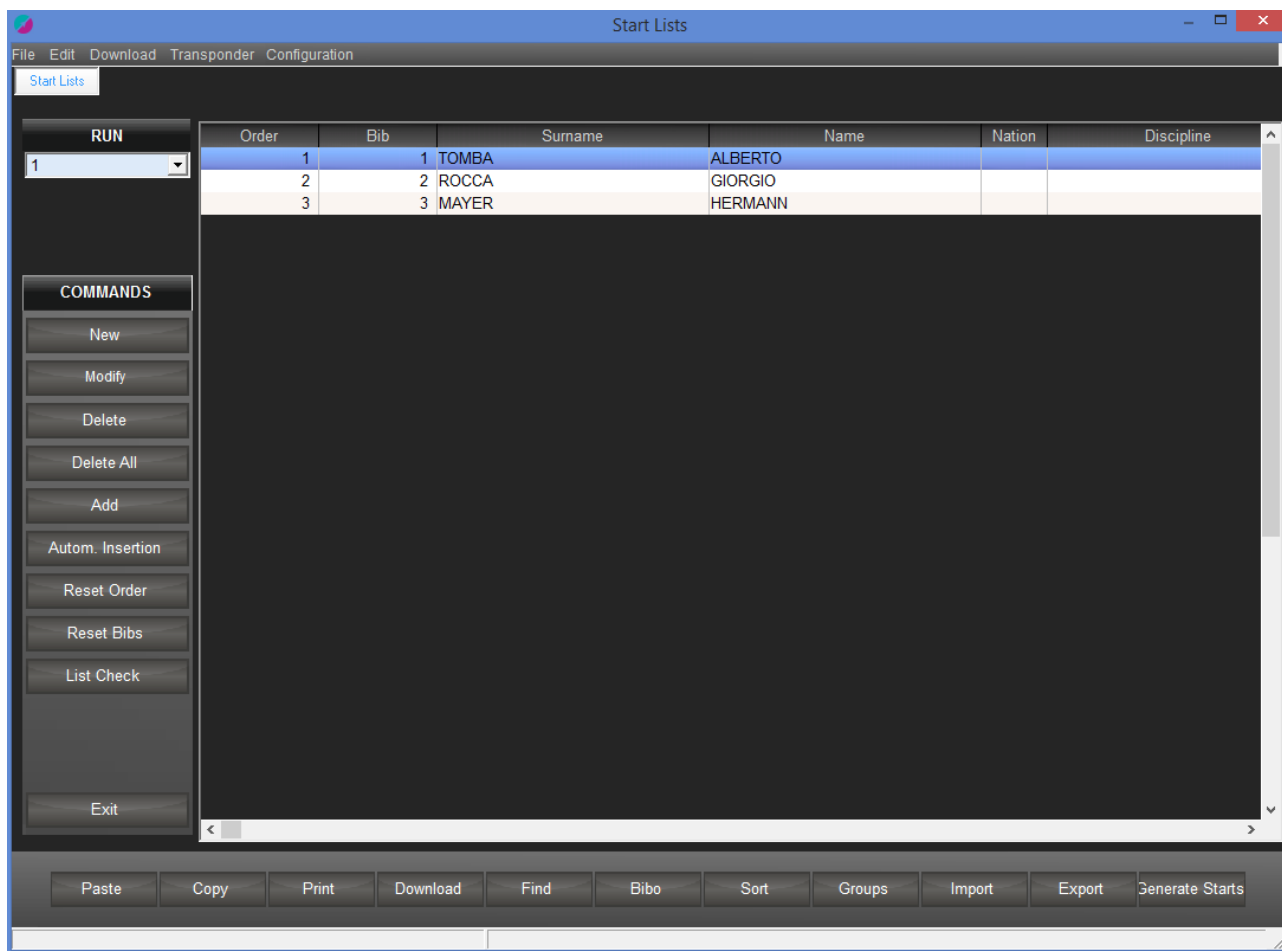


Figure 42 – Start lists

In the table showing the start list in the example in Figure 42, the following are displayed: order, bib number, surname, name, nation, sex, category and club.

Normally the order in the grid is established on the basis of the field “order”. To change an athlete’s place in the order it is possible to enter the sheet and change the field order or press CTRL + left mouse button and drag the athlete into the position desired.

The commands available are:

New: adds a new competitor to the start list by filling out a sheet

Modify: changes the data of the athlete selected

Delete: cancels the competitors selected

Delete all: cancels all the athletes in the list

Add: adds one or more athletes from the list of competitors

Autom. Insertion: automatically inserts the bib numbers and the start times in the list

Reset Order: resets the value of the order column on the basis of the current order

Reset Bibs: resets the bib number on the basis of the current order

List Check: checks the list, indicating if there are mistakes in what has been entered (double bib numbers, no bib number)

These functions can also be performed by pressing the right mouse button and selecting the appropriate command.

To cancel a competitor, select the corresponding row and click the button <Delete>. To select more than one competitor, keep the <CTRL> key pressed down and continue with selection. To cancel all the data entered, click the button <Delete all>.

To choose the run (or Race) to work on, select it from the list “Run” (or "Race"). If the run “All” is selected, all the runs entered are displayed. If “Competitors” is selected, it is possible to view all the competitors in the event.

Selecting "Competitors" as the run for the start list is useful if you do not want to create a start list for each run, but a general one. If a competitor's bib number is not present in a specific run, MiSpeaker takes it from this “special” list. It can be used, for example, for show jumping: the start list is imported and the competitors are uploaded onto the stopwatch by choosing the list “Competitors”, thus avoiding creating the list for each single ride.

If the REI2 stopwatch is used, the data can be sent to the stopwatch. By pressing the button <Download> it is possible to choose between send the starting order, automatic starts, groups and the list of competitors (it is possible to choose between the list of competitors, all the runs or the current run).

The button <Generate Starts > automatically generates the starts, so MiSpeaker waits to receive only the stopwatch stop events to calculate net times. This function is suitable if there are automatic starts and at the finish there is a stopwatch (with, for example, the PC-Online program) that acquires only stop events (e.g. cycling time trials).

By pressing the button <Groups>, it is possible to choose between view groups and generate or automatically add groups based on the data in the table (e.g. category, sex...). In the example in Figure 42 the competitors Tomba and Maier are inserted in Group 1 while the competitor Ghedina is inserted in Group 2.

Pressing the button <Find> allows you to search for an athlete in the list selected by choosing the search field and inserting an item of data.

Choosing the button <Sort> allows you to insert the fields to be used for creating the order. The order can be ascending or descending for that particular field.

Pressing the button <Bibo> allows you to create the bibo (see para. 5.8.1 Draw on p. 50).

When the button <Print> is pressed, a print selection menu appears. The print menu changes according to the run set. If the run is “All”, all the runs will be printed, while if the run is “Competitors”, all the competitors will be printed. There are the following possibilities:

- General: with “All runs”, all the runs are printed, while with “Single run” the set run is printed
- For groups: this appears only if one group is defined. It prints the list for every group.
- Group Name: this prints the list on the basis of the group chosen
- After choosing the mode, you can print the list immediately by choosing “Print”, view it by pressing "Preview" or save it in Report, text or HTML format.

The other commands in the menu (not available as rapid selection buttons) are as follows:

- Send to Athletes DB: this sends the athletes in the selected list into the athletes database
- Configuration: possibility of configuring the start list grid (see para. 5.8.9 Start Lists configuration grid on p. 59)

5.8.1 Draw

Run destination: RUN 1

Based on ...

Random order: No

From record: 1

To record: 1

From bib number: 0

Discard bibs:

Execute Exit

Competitor 3

Record	Athl. Code	Surname	Name	Nat
1		TOMBA	ALBERTO	ITA
2		MAIER	HERMANN	AUT
3		ROCCA	GIORGIO	ITA

Assigned

Bib	Athl. Code	Surname	Name	Nat
-----	------------	---------	------	-----

Figure 43 – Draw

This function can be used to create the start lists automatically by means of a draw.

To create the list it is necessary to indicate:

- the run to which the list created must be added;
- the initial and final position (record) to consider in the list of competitors
- whether to insert in random order
- the bib number to start from (if 0 is entered, the previous bib number is kept)

The button <Execute > adds the athletes to the start list.

The button <Exit > allows you to exit this window.

5.8.2 Bibo Creation



Figure 44 – Bibo

This function can be used to create the start lists automatically by means of a bibo.

To carry out the bibo, at least one athlete must be classified.

To create the list it is necessary to indicate:

- the run to which the list created must be added;
- the run on the basis of which the ranking must be calculated;
- the group on which to make the ranking;
- the number of athletes who must be inverted in the ranking (0 = no inversion)
- the calculation method for the ranking (total or run)
- whether to add the disqualified athletes, the non-starters and the non-finishers
- whether to insert in random order

- the bib number to start from (if 0 is entered, the previous bib number is kept)
- the maximum number of athletes to be considered

After a bibo the times of previous runs are stored in "reference times" field

The button <Add > adds the bibo to the start list.

The button <Exit > allows you to exit this window.

5.8.3 Swimming start lists

In the swimming races the heats can be created manually by pressing the button <Create Heats> (Figure 45 – Heats creation). The compulsory parameters to be entered for each heat are the number of lanes, the pool length, the race number and the number of laps to swim.

The athletes can be inserted manually by entering the necessary information in the various fields or by choosing the athlete from the list previously inserted or in "Competitors".

If insertion is performed manually and the athlete is in the competitors list, the athlete's data are automatically inserted as soon as some information about the athlete, such as his/her code, bib number or surname has been entered.

To insert by choosing the athlete from the list of competitors, press the button  next to the athlete's lane.

To cancel the lane data, press the button <Clear Heat>.

The following commands are available for the heat:

View heat data: the heat information is displayed in a separate window

Save and send heat: save the configuration of the current heat and send it to the stopwatch.

Create Heats: this takes you to the automatic heats creation menu (see para. 5.8.4 Automatic heats creation on p. 54)

Insert Times: inserts the athletes participating by recreating the previously formed heats (see para. 5.8.5 Inserting reference times for swimming on p. 56)

Insert Heats: inserts an empty heat by moving all the following heats

Delete Heat: cancels the heat selected

Delete All: cancels all the heats inserted

Clear Heat: cancels the data of the battery selected

Move Heat: replaces the selected heat with the one inserted by the user

Exit: quits and returns to the timing menu.

If the "Start Lists" display is selected instead of "Heats", the athletes can be seen in the grid (see Figure 46). This is the actual information that is then printed.

If "Races" "All" is chosen, MiSpeaker displays all the heats. To move an athlete from one heat to another, just press CTRL + the left mouse button and drag the athlete into the new heat.

Start Lists

File Edit Download Configuration

Paste Copy Print Download Data Find Sort Groups Import Export

Start Lists Heats

Pool length 25
Number of lanes 8
Event start time 00.00

RACE
1. (100 M ESORDIENTI B HT.2)

View heat data
Save and Send Heat
Create Heats
Insert Times
Insert heats
Delete Heat
Delete All
Clear Heat
Move Heat
Exit

LANES

	Bib	Code	Surname	Name	Nation	Ref. Time	Options
1	11	11	ROSSI	ALBERTO		00.00.00.0	
2	12	12	PICCOLI	GIANNI		00.00.00.0	
3	13	13	BASSO	GIORGIO		00.00.00.0	
4							
5							
6							
7							
8							

Heat 2
Distance 100
Event type
Sex M
Style
Category ESORDIENTI B
Year from to
Relay NO
Start 00.00

Figure 45 – Heats creation

Start Lists

File Edit Download Configuration

Paste Copy Print Download Data Find Sort Groups Import Export

Start Lists Heats

RACE
ALL

COMMANDS
New
Modify
Delete
Delete All
Exit

Order	Bib	Athl. Code	Surname	Name	Nation	Discipline
3	110		BERTAGNOLLI	FABIO	ITA	
4	103		VITALI	RICCARDO	ITA	
5	197		VESCE	FRANCESCO	ITA	
6	107		MARCHETTA	LEONARDO	ITA	
1	189		SPINELLI	DAVIDE	ITA	
2	111		CELARDO	NICOLA	ITA	
3	100		NONES	DANIEL	ITA	
4	109		PAPAGNA	GIANMARCO	ITA	
5	106		RUSSO	MARCO	ITA	
6	108		PINNA	RICCARDO	ITA	
7	190		NORSCIA	SIMONE	ITA	
8	102		COMODINI	MIRKO	ITA	
1	105		MASTROIACOVO	MATTIA	ITA	
2	99		SALVIATI	FRANCESCO	ITA	
3	101		FAVARO	ALBERTO	ITA	
4	98		ROSSO	CHRISTIAN	ITA	
5	97		MAURI	LUCA	ITA	
6	172		D'ARRIGO	ANDREA MITCHELL	ITA	
7	136		FRATTER	JACOPO	ITA	
8	112		ZAMORA	DAVIDE	ITA	
3	19		DE SANTIS	CLAUDIA	ITA	
4	26		MARTELLO	FRANCESCA	ITA	
5	199		DI GIROLAMO	LUDOVICA	ITA	
6	33		LAGUARDIA	ANNALUCIA	ITA	
1	24		STOPPA	FRANCESCA	ITA	
2	29		SCALERCIO	FRANCESCA	ITA	
3	23		GIAMMANCO	NADIA	ITA	
4	17		BELFIORETTI	CHIARA	ITA	
5	22		BIANCHI	GIULIA	ITA	

CTRL + Left button to move

Figure 46 – Display of Start Lists

	MiSpeaker	Doc: SPK_2_08_E Page 54 di 95
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The function “Race Cards” in “Print” creates the athlete’s cards on printable Excel sheets with the information about heat, lane and reference time. The Excel sheet template can be configured as desired.

5.8.4 Automatic heats creation

The MiSpeaker program automatically generates the heats on the basis of the grid of the athletes participating.

First the columns that constitute the races must be added to the grid. This can be done inside the “Race Column Structure” box. In the choice “Add Race Column” the distance, style and phase of the race must be entered following the indications given. For example: 50 Crawl Series → 50 L D.

To add the races to the grid, press the button <Add>. To cancel what has been inserted, press the button <Clear>. To exchange the race column with another value, select the column, enter the new data and press the button <Change>.

After creating the heats columns, it is possible to enter the athletes’ data with the reference times for each race. It is not necessary to enter the bib number and code; MiSpeaker will insert these data automatically.

If an athlete takes part in a race, his/her reference time must be entered. If the athlete does not have a reference time, you must enter ‘WT’, that is, without time.

ATTENTION: there are two columns, “Category” and “Race cat.”. The first is the athlete’s category while the second is that of the race. For example, a Youth 100 metres crawl race can be created for which Juniors, Youth, Cadets, etc. can be entered. If the “race category” column is empty, MiSpeaker considers the column “Category” to create the heats.

When the athletes’ data have been entered, the parameters for sorting must be entered: Sex, Categories, Year (if necessary, otherwise leave empty).

Before creating the heats, the minimum number of athletes per heat must be entered.

The athletes’ data insertion operations can be performed automatically by importing the data from an Excel sheet by pressing the button <Import> or pasting the data with <Paste>.

Figure 47 – Create heats

Pressing the button <Delete grid> allows you to renew the table by canceling all the data entered and the race columns. With the button <Delete row> the data of the athlete selected are canceled. If the button <Remove column> is pressed, the race column selected is canceled.

If the button <Create heats> is pressed, the race heats will be created following the sort parameters. There are two possibilities for sorting:

- First on the basis of sex and then of the sort categories from the first to the tenth. If the categories are different, it is not necessary to enter the date of birth, while this is important if all the categories are the same.
- No sorting. When the button <Create heats> is pressed, the name of the general category with which to associate the competitors will be requested. Sorting will only be effected on the basis of the sex selected.

Creating the heats will automatically cancel all the previously entered races.

Pressing the button <Generate Excel Sheet> will create an Excel sheet. This sheet can be sent to the various clubs for filling in. Subsequently the athletes' data can be imported by copying the fields from the Excel file and pasting them on the grid by pressing the button <Paste>. After copying all the various athletes' data from the various Excel sheets, the heats can be created with the command <Create Heats>

The button <Exit> allows you to quit this window.

5.8.5 Inserting reference times for swimming

The screenshot shows the 'Insert Reference Times' window. The 'Athlete Info' section on the left contains various input fields for athlete details. The central table is currently empty. The right side of the window contains control buttons for adding, removing, and confirming the data.

Figure 48 – Inserting reference times

Also in this case the athlete's data can be entered manually by filling in the fields available or by selecting the athlete from the list of competitors by pressing the button . The reference time and the race code must also be entered.

When the athlete's data have been entered, the button <Insert> must be pressed to add the athlete to the grid.

To cancel the athlete selected from the grid, press <Delete>.

To exit without entering the athletes in the heats, press <Cancel>.

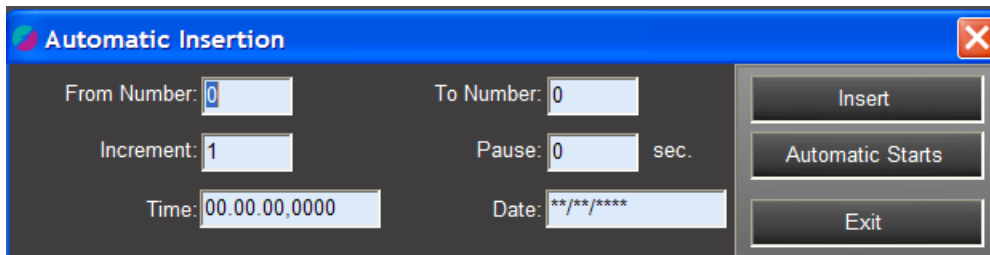
Before entering the athletes in the heats, you must also enter the minimum number of athletes per heat.

If "Consider categories for insertion" is selected, the heats are created on the basis of the category, while if it is deselected, the athlete's year is considered.

The button <Confirm and Exit> allows you to quit this window, confirming the insertion.

5.8.6 Automatic insertion

The bib numbers and start times can be automatically entered by clicking the button <Autom. Insertion> to call up the following window.



The dialog box titled "Automatic Insertion" contains the following fields and buttons:

- From Number:** Input field with value 0
- To Number:** Input field with value 0
- Increment:** Input field with value 1
- Pause:** Input field with value 0, followed by "sec."
- Time:** Input field with value 00.00.00,0000
- Date:** Input field with value **/**/****
- Buttons:** Insert, Automatic Starts, Exit

Figure 49 – Automatic insertion

To add only the bib number to the start list, it is necessary to enter the values in the boxes “From Number”, “To Number” and “Increment” and then click the button <Insert>

To add also the start time to the lists, it is also necessary to enter data in the boxes “Interval”, “Time” and “Date” and click the button <Automatic Starts > .

5.8.7 Import data

It is possible to import the starters’ lists and the start lists produced with other programs. To use this function, press the <Import> button, then “From File” and select one of the formats supported: Excel, Text , Race , CSV. For the swimming program also the formats TESO and FIN are supported, while for the other programs the files FIS and FISI are supported.

In the case of Excel or CSV files the column selection window opens.

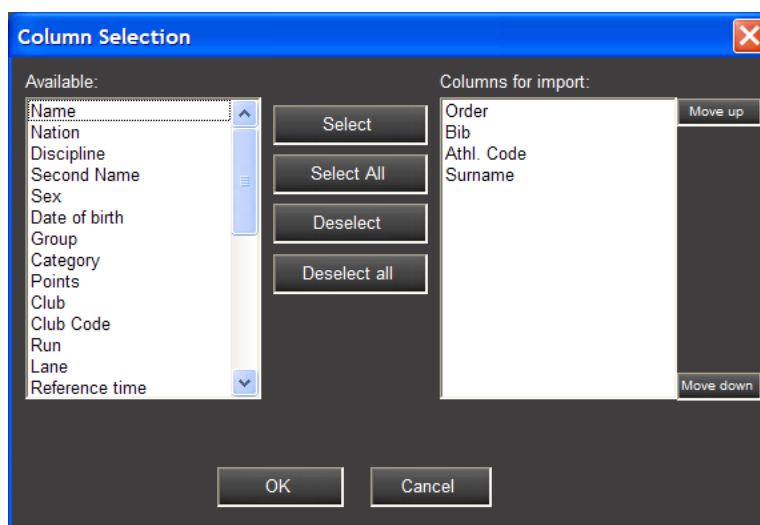


Figure 50 – Column selection

In “available” the columns of the start list grid are displayed.

In “columns for import” columns like the Excel spreadsheet must be inserted. To order the fields it is possible to press the <Move up> or <Move down > buttons or drag the sheet while keeping the left mouse button pressed.

Attention: the format of the columns of the Excel or CSV file must be the same as the start list table of the MiSpeaker program. Moreover, attention must be paid to make sure that the international configurations (list separator, time and decimal) are compatible with the file to be imported.

MiSpeaker also supports the FISE Excel format; to import it, the rows that are empty or contain headings must be removed.

The classic Windows window is opened to make it possible to choose the file to open.

By choosing File - Import – From Race, it is possible to select the previous race for importing the start lists.

At the end of the operation, the data read are shown in the window.

5.8.8 Export data

To export data to other formats, select the menu File - Export and select one of the formats supported: Microgate, Excel, Text, CSV, DBF .

The classic Windows window is opened to make it possible to choose the file to be created. During processing a window appears with the message “Wait please” and a bar indicating the state of progress of the operation.



Figure 51 – Operation in progress

The option of exporting in Microgate format makes it possible to create the text files to be sent to the stopwatch using any terminal emulator. The data formats that can be generated are: “Competitors list”, “Starting order”, “Automatic starts” and “Groups”.

Moreover, it is possible to export the race configuration in text format. Associated with the configuration, it is possible to send all the race time events, the groups and the athletes inserted. A configuration in which this function can be useful is when one computer is used to manage insertion of the athletes taking part and printing of rankings, and one for data acquisition from a stopwatch.

In this case it is useful to exchange the data between the two computers using the race configuration import and export function.

5.8.9 Start Lists configuration grid

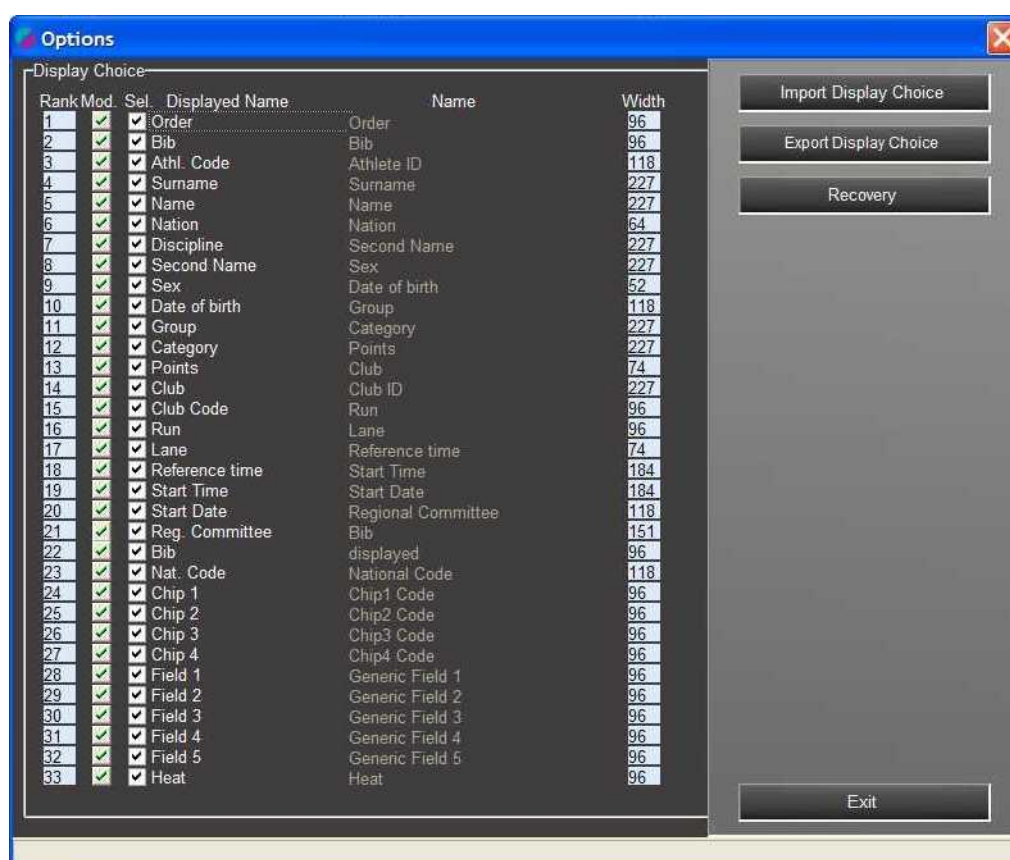


Figure 52 – Start Lists configuration grid

MiSpeaker provides the opportunity to modify the start lists grid. This operation is useful for setting the printouts of the start lists or for adapting the grid for importing from an Excel sheet.

The field "Pos." indicates the position of the field in the grid.

Pressing the button of the "Mod." Column allows you to modify the column name.

The field "Sel." indicates whether the column is visible or not in the grid.

The field “Displayed Name” indicates the name of the grid column.

The field “Name” indicates the default name of the grid column.

The field "Width" indicates the width of the column.

The width and position of the column in the grid can be changed directly on the grid. To move a column, for example, you need only keep the left mouse button pressed down on the required column and drag it into another position.

With the buttons <Import> and <Export> the settings of the grid can be imported and exported in text format.

The button <Exit> allows you to quit this window.

5.8.10 Edit

The “Edit” menu contains the functions “Copy”, “Paste” and “Find”.

The copy functions make it possible to select an item of data inside the list, copy it and paste it in a new cell.

The function “Find” calls up the search box

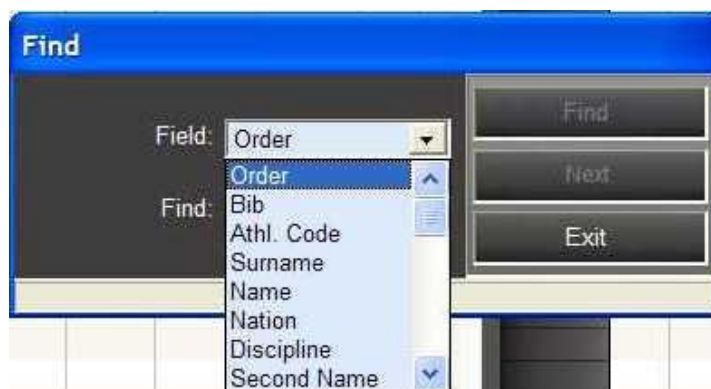


Figure 53 – Search box– search fields

It is possible to search for a competitor with any of his her data. The button <Search> activates the search for the competitor with the data searched for. The button <Next > allows you to search for the next competitor with the same data. To end the search, click the button <Close>.

5.8.11 Printout

To get the printout of the starting order, press the <Print> button and select the printout “general” or “for groups” or one group only.

5.9 New Time Event

This function makes it possible to insert a new event. To access it, press the right mouse button on the results grid and select “Events” → “New Time Event”. <OK> to confirm.

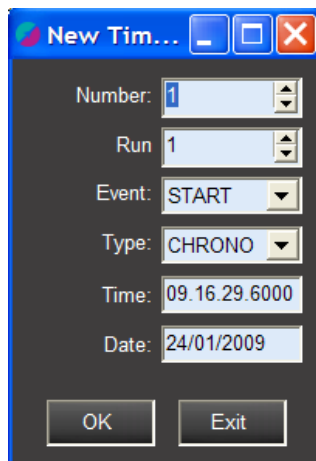


Figure 54 – New Time Event

In addition it is possible to generate events, associating them with the athlete racing at that moment.

The commands are:

- CTRL + SHIFT + F1 → START event
- CTRL + SHIFT + F2 → LAP1event
- CTRL + SHIFT + F3 → LAP2 event
-
- CTRL + SHIFT + F12 → STOP event

For example, it is possible to set an athlete by pressing CTRL + A, generate a START by pressing CTR + SHIFT + F1 and generate a STOP by pressing CTRL + SHIFT + F12.

5.10 New Event or Modify Event

In the "Event" menu, it is possible to enter a new event or edit an existing event. To access it, press the right mouse key on the results grid and select “Events” → “New Event” to enter a new event or “Modify Event” to change an existing event.

Only a few fields are active depending on the action to be performed.

If data are changed when an insertion is made, the button <Confirm> must be pressed.

Figure 55 – Edit data

If <Change Event> is pressed, only the fields bib, run and event are enabled for the search for the event in the database with which to make the substitution.

If <Find Event> is chosen, only the fields bib, run and event are enabled for the search for the event in the database.

Five different functions can be chosen:

- **ACTIVE:** the data item is inserted in the database
- **CANCEL:** the data item is annulled
- **NOT STARTED:** the competitor is declared a non-starter
- **NOT FINISHED:** the competitor is declared a non-finisher
- **DISQUALIFIED:** the competitor is declared to be disqualified

If <New Event> is pressed, the data for the new event can be entered.

If you press <Cancel>, you quit without confirming.

Pressing <Exit> closes the menu.

5.11 Internal stopwatch

The internal stopwatch menu shows all the race events (Figure 56).

Events can be generated by pressing in the box “New Event” next to the table. These events are stored with the number 0. It is necessary to insert a number other than 0 to view it in the rankings table.

It is possible to scroll through the table with the arrow keys.

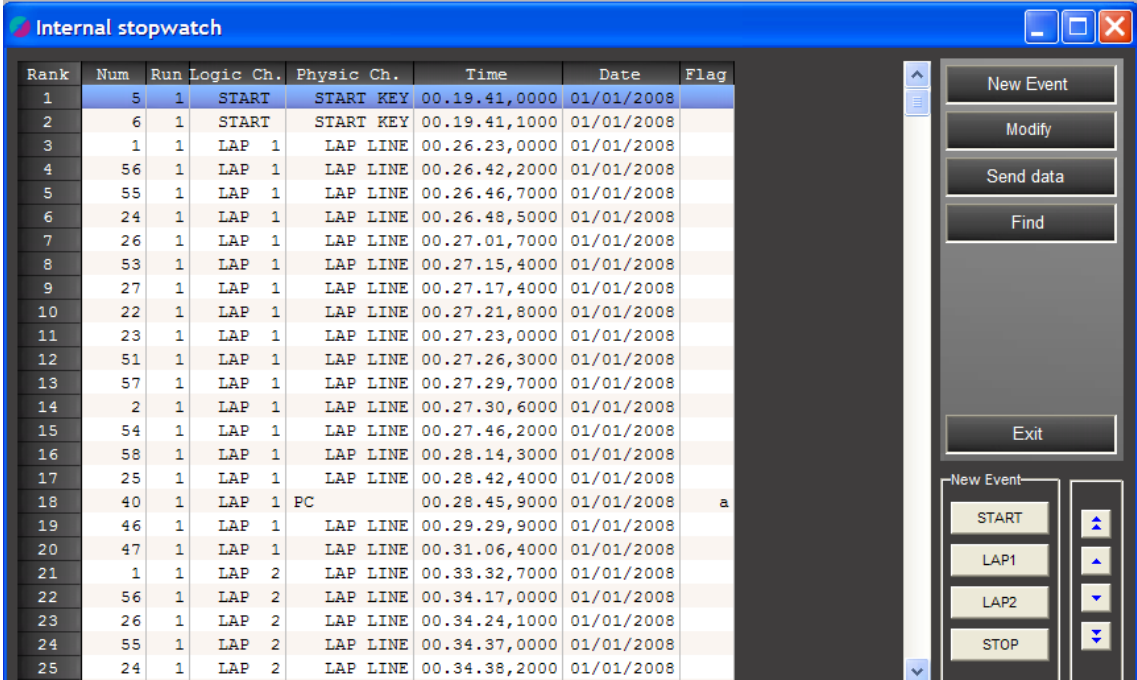
The commands possible are as follows:

New Event: opens a box in which to enter data for the new event

Modify: opens a box in which the event data to be changed are displayed

Send data: sends all the events stored to the stopwatch (only if the function is enabled, see 5.6 General settings on p. 44)

Find: to search for a specific event



Rank	Num	Run	Logic Ch.	Physic Ch.	Time	Date	Flag
1	5	1	START	START KEY	00.19.41,0000	01/01/2008	
2	6	1	START	START KEY	00.19.41,1000	01/01/2008	
3	1	1	LAP 1	LAP LINE	00.26.23,0000	01/01/2008	
4	56	1	LAP 1	LAP LINE	00.26.42,2000	01/01/2008	
5	55	1	LAP 1	LAP LINE	00.26.46,7000	01/01/2008	
6	24	1	LAP 1	LAP LINE	00.26.48,5000	01/01/2008	
7	26	1	LAP 1	LAP LINE	00.27.01,7000	01/01/2008	
8	53	1	LAP 1	LAP LINE	00.27.15,4000	01/01/2008	
9	27	1	LAP 1	LAP LINE	00.27.17,4000	01/01/2008	
10	22	1	LAP 1	LAP LINE	00.27.21,8000	01/01/2008	
11	23	1	LAP 1	LAP LINE	00.27.23,0000	01/01/2008	
12	51	1	LAP 1	LAP LINE	00.27.26,3000	01/01/2008	
13	57	1	LAP 1	LAP LINE	00.27.29,7000	01/01/2008	
14	2	1	LAP 1	LAP LINE	00.27.30,6000	01/01/2008	
15	54	1	LAP 1	LAP LINE	00.27.46,2000	01/01/2008	
16	58	1	LAP 1	LAP LINE	00.28.14,3000	01/01/2008	
17	25	1	LAP 1	LAP LINE	00.28.42,4000	01/01/2008	
18	40	1	LAP 1	PC	00.28.45,9000	01/01/2008	a
19	46	1	LAP 1	LAP LINE	00.29.29,9000	01/01/2008	
20	47	1	LAP 1	LAP LINE	00.31.06,4000	01/01/2008	
21	1	1	LAP 2	LAP LINE	00.33.32,7000	01/01/2008	
22	56	1	LAP 2	LAP LINE	00.34.17,0000	01/01/2008	
23	26	1	LAP 2	LAP LINE	00.34.24,1000	01/01/2008	
24	55	1	LAP 2	LAP LINE	00.34.37,0000	01/01/2008	
25	24	1	LAP 2	LAP LINE	00.34.38,2000	01/01/2008	

Figure 56 – Internal stopwatch

5.12 Internet data exchange

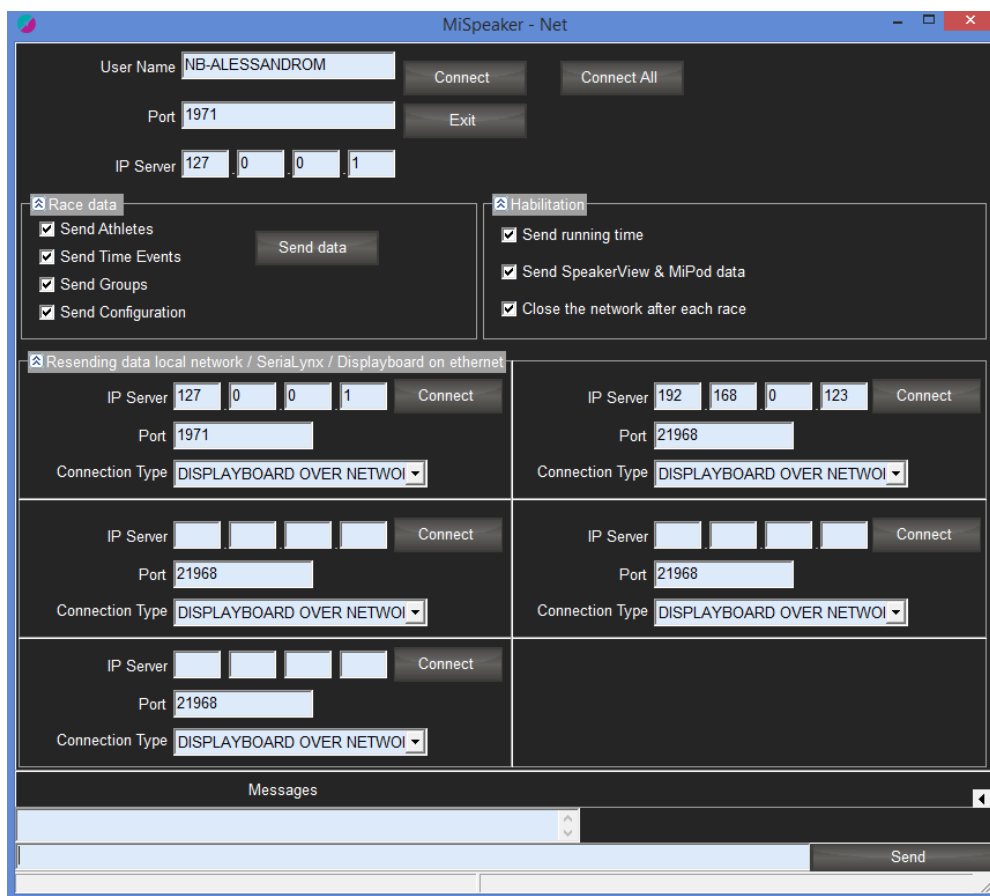


Figure 57 – Internet data exchange

This function is suitable for creating a network of computers. The network can be local or alternatively the computers can have an internet connection.

For the system to function, the MiServer has to be active on only one computer and there must be a connection. In this computer it is necessary to allow others to connect with each other, if necessary deactivating the firewall. MiSpeaker can be used on the same computer where it is active MiServer.

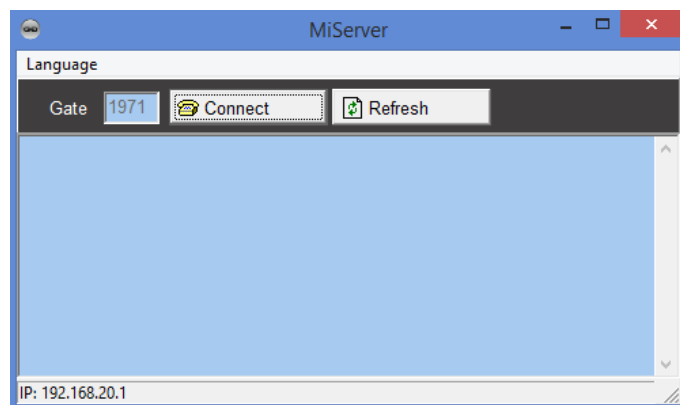


Figura 58 – MiServer

When MiServer is activated, at the bottom left the program shows the IP address assigned. This address must be inserted in the cell "IP Server" in the MiSpeaker programs active on the other computers.

When the button <Connect> is pressed, the MiSpeaker program connects up with the server. In the window "messages", the message informing you that you are connected will appear. In the window "Incoming data" the strings of the other computers are displayed. The only purpose of these strings is for checking the connection.

MiSpeaker allows you to send messages to the other computers by inserting the text of the message in the cell next to the button <Send> and then by pressing the same button or the key <Enter> on the computer keyboard.

With the cell "Race data" all the race data can be sent to the other computers. After choosing the information to send, you need only press the button <Send Data >. The length of the operation depends on the amount of data to be sent. The operation in progress will be signaled on the computers that receive the data.

In this form you can connect MiSpeaker other networked devices such as:

- Microgate Led Displayboard(via Ethernet cable or WiFi)
- Connect to other devices using Serial-Ethernet adapter (es. <http://www.finishlynx.com/it/product/networking-hardware/serialynx-serial-to-ethernet-adapter/>)
- Connecting to a local server, thus creating a local subnet

1.1.1. Connect to MiServer via Internet

There may be problems with the use of the internet connection.

These are the reasons:

- Use of internet sticks
- MiServer active on a network and therefore inaccessible from the outside

In these cases MiServer provides a local IP address (that usually begins with 192.168.) and that is not accessible from the outside.

In some cases you can find your public IP address by going to the site www.myipaddress.com. You can then try to enter the found address in MiSpeaker.

Alternatively you can use a program for the VPN. A free program is located on this page www.teamviewer.com.

After you have downloaded and run the program on all computers to be connected in network, choose these settings

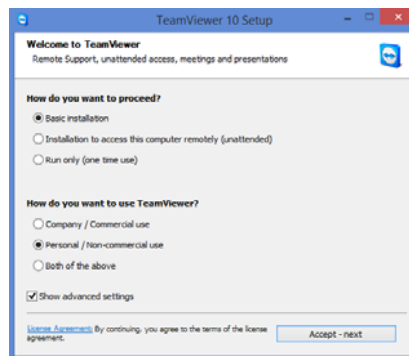


Figura 59: Teamviewer settings 1

and than these settings

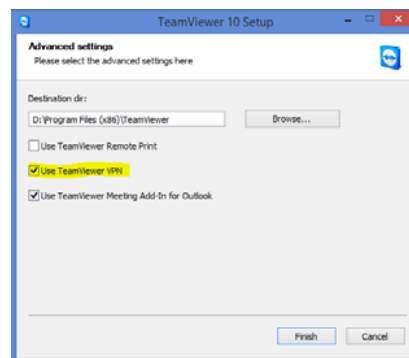


Figura 60: Teamviewer settings 2

The computer that will connect to your computer with MiServer must enter the ID in the Partner ID box, set VPN and press the "Connect to partner"

In this case it will be established a direct connection, as if they were the two computers in a local network.

Restarting MiServer will be given a new IP address to be insert in MiSpeaker.

5.13 Group Management

To manage groups, press the <Groups> button.

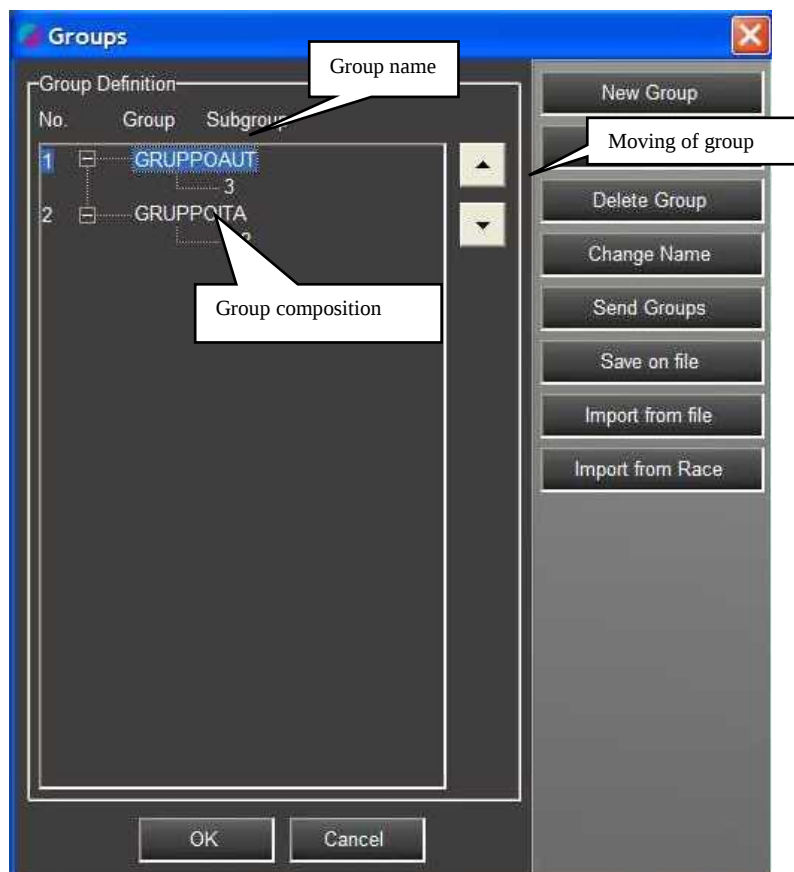


Figure 61 – Group composition window.

The number of groups that can be managed by the stopwatch depends on the stopwatch model and the configuration set on it.

Every group can contain various subgroups.

To create a group, click the <New group> button and enter the numbers of the first and last member of the group separated by a minus. It is also possible to enter one number only, making it unnecessary to add the minus symbol. If numbering of the group is interrupted, click the icon <New choice> and enter the subsequent numbers.

As the groups are created, they appear in the list. To see their composition, click the symbol "+" next to the group number.

Any variations are made by clicking the detail or pressing <F2> and entering the new values.

To move a group up or down, it can be dragged into position or the arrow buttons on the right can be used.

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5.14 Printing of rankings

The printing of ranking reflects the information shown in the ranking grid. So if, for example, you want to print a ranking for groups, you must select the item "By groups" (or "By selected groups") from the items available (see para. 6.1 Viewable on p. 79).

If you press the <Print> button a selection menu appears for printouts. This menu depends on the type of race selected.

For example, the finish ranking or the intermediate ranking can be printed in single start races. In the case of swimming races the summary of the series can be printed without viewing it in the grid.

In show jumping competitions, choosing finish and last prints the current ranking, adding the riders who have not competed in that ride. This case can be used for barrage.

After choosing the mode, you can immediately print the list by selecting "Print", view it by pressing "Preview" or save it in Report, PDF, Excel, text or HTML format.

Printouts can be configured as desired (see para. 5.14.1

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Report setting on p. 70).

Normally the layout of the page is vertical. If the size of the columns is greater than the size of the page, MiSpeaker asks to rotate the page so that the information is presented horizontally.

It is also possible to print the group ranking "Time/Point sum ranking" based on the sum of the times or scores of the athletes in the ranking. The ranking can be made by club, group, sex and category, and you can choose to put together all the athletes or only a few (for example, the first three).

5.14.1 Report setting

Report Setting

General

Top margin: 20
Bottom margin: 20
Left margin: 10
Right margin: 10
Height: 20
Row Separator: ☐
Print Race Data: ☒
Heading on all pages: ☒
Podium highlight: ☐

Foot of page image

Number: 1

MICROGATE
Timing & Sport

Position: Left, Center, Right, Personal
Max width: 184
Insert, Delete

Heading image

Number: 1

Rank: Left, Center, Right, Personal
Max width: 135
Insert, Delete

Heading

Height: 60
Font: [Font icon] [List icon] [List icon]
SLALOM SPECIALE

Foot of page

Preview, Save, Exit

Figure 62 – Report setting

The page for printing can be configured as desired. Bitmap images can also be inserted both in the heading and at the foot of the page.

After deciding the page configuration, the page must be saved by pressing the button "Save". To view a preview of the page to be printed, press "Preview".

5.15 Run selection

This function allows you to select the active runs for the race being managed.

In the window that is opened by calling up this function, tick the runs you are interested in.

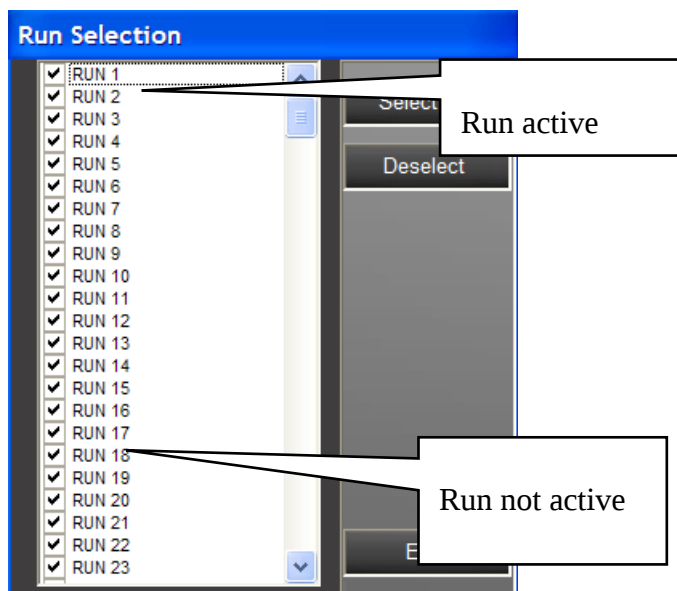


Figure 63 – Run selection window.

Click the button < Exit > when you have finished.

5.16 Reference times

The management of reference times is suitable for beat the clock races in which a course must be completed in a fixed time, otherwise penalties are incurred.

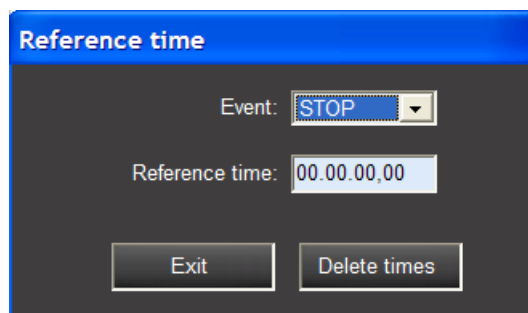


Figure 64 – Reference times

Select the type of event and the associated reference time. Remember also to add the “Penalty” column to the results grid. The reference time applies to the run time.

5.17 Event viewer

This function is very useful for races with two or more laps.

Num	Name	Start	Stop	Lap1	Lap2	Lap3
1	Paez L.-Caro Julio	00.19.41,0000	01.30.21,0000	00.26.23,0000	00.33.32,7000	00.40.37,1000
2	Paris V.-Forer T.	00.19.41,0000		00.27.30,6000	00.35.23,6000	00.43.11,2000
3	Senter G.-Santoni D.	00.19.41,0000				
21	Giovannini R.-Amorth G.	00.19.41,0000				
22	Agostini S.-Bonvecchio E.	00.19.41,0000		00.27.21,8000	00.35.32,7000	00.43.43,5000
23	Tomasi M.-Pezzi U.	00.19.41,0000		00.27.23,0000	00.35.35,9000	00.43.32,3000
24	Segata C.-Tasin M.	00.19.41,0000	01.37.26,6000	00.26.48,5000	00.34.38,2000	00.42.27,9000
25	Smarzaro P.-Brendolise D.	00.19.41,0000		00.28.42,4000	00.37.53,6000	00.47.27,2000
26	Argani L.-Dellagiacomma P.	00.19.41,0000	01.37.28,5000	00.27.01,7000	00.34.24,1000	00.42.26,1000
27	Righi M.-Miori M.	00.19.41,0000		00.27.17,4000	00.35.07,5000	00.42.52,2000
46	Windegger N.-Tumler M.	00.19.41,0000		00.29.29,9000	00.38.32,5000	00.49.09,6000
47	Dardo E.-Cattoni M.	00.19.41,0000		00.31.06,4000	00.43.26,5000	00.55.50,0000
51	Knapp M.-Kompatscher S.	00.19.41,0000		00.27.26,3000	00.35.48,3000	00.43.15,9000
52	XXXXXXXXXXXXXXXX	00.19.41,0000				
53	Olivotto M.-Oberrauch M.	00.19.41,0000	01.38.01,9000	00.27.15,4000	00.35.09,1000	00.42.43,1000
54	Pollinger M.-Arquin S.	00.19.41,0000		00.27.46,2000	00.36.12,3000	00.44.45,3000
55	Righettini A.-Smarzaro I.	00.19.41,0000	01.35.38,1000	00.26.46,7000	00.34.37,0000	00.41.47,2000
56	Tabacchi M.-Rossi M.	00.19.41,0000	01.33.24,5000	00.26.42,2000	00.34.17,0000	00.41.57,4000
57	Polla P.-Povinelli M.	00.19.41,0000		00.27.29,7000	00.35.24,9000	00.44.03,7000
58	Aldrighetti F.-Miorelli S.	00.19.41,0000		00.28.14,3000	00.36.56,2000	00.46.52,9000

Figure 65 – Event viewer

When “Follow events” is pressed, the cursor moves into the cell of the last event taken.

To change an event, it is possible to press the <Modify> button or double-click with the mouse.

With <Delete> an event is cancelled, while <Find> is for searching for an athlete in the list.

<Increment> and <Decrement> allow you to increment and decrement respectively the lap on which the cursor is positioned. If there are other laps after the one selected, MiSpeaker will ask whether it should move to them.

5.18 Displayboard output

Figure 66 – Displayboard output

Up to 5 different configurations can be created.

If “Default font” is selected, the displayboard fonts are used, otherwise other types of windows font can be used. In the latter case text using all kinds of characters can be viewed and so it is useful, for example, for strings in Chinese or Russian.

After the arrangement of the displayboards has been chosen, it is possible to:

- Manually enter a text and this will be displayed on the displayboard after pressing ENTER or the <Resend > button
- Select from the information possibilities

The data displayed on the displayboard reflect the columns of the grids. For example, if on the displayboard I am displaying a ranking and in the results grid of the main box I have displayed the bib column, then I will see the athlete’s bib on the displayboard. The same applies to the start lists associated with the grid in the start lists box: if I enable the “time reference” column (for swimming races) or “start time” column (for cycling races), they will be displayed on the displayboard.

5.19 Data Output protocol

As well as receiving data from the stopwatch into its input, MiSpeaker can send them from its output to other devices. This is useful if the use of another program is needed to acquire and print data.

MiSpeaker makes it possible to construct a customized protocol in order to be able to adapt to any software. There are also two default protocols for Microgate REI2 output and for Alge4000.

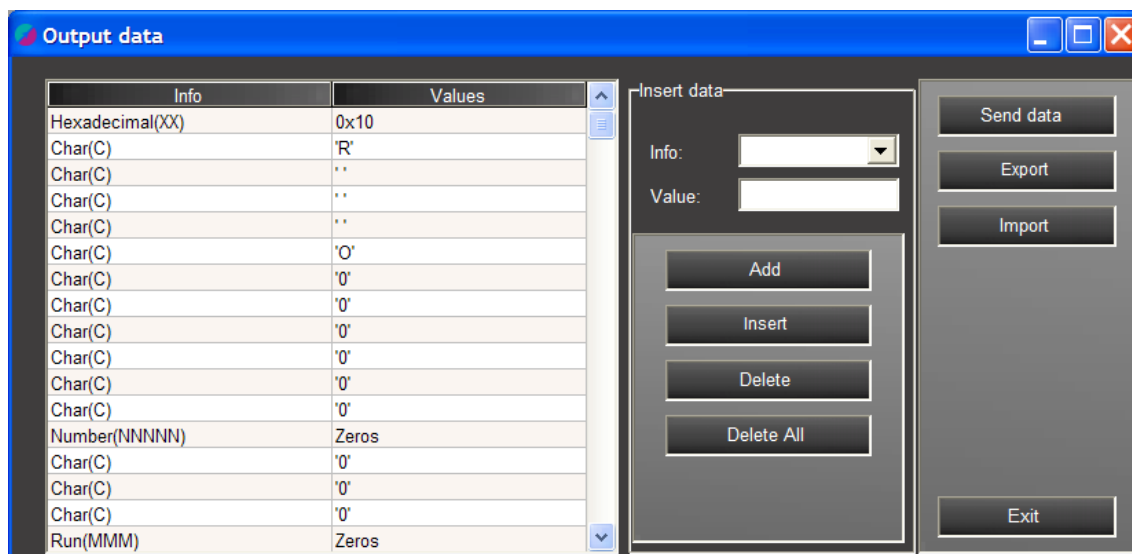


Figure 67 – Data output

The protocol can be created by selecting the information to be sent in the field "Info" and the value in the field "Value".

If "Character (C)" is chosen, only one character must be inserted; if "Hexadecimal (xx)" is chosen, the hexadecimal value must be inserted in two figures.

With the other information, the choice PADDED ZEROES or SPACES appears.

Example: Number (NNN) with number 4

- PADDED ZEROES becomes '004'
- PADDED SPACES becomes ' 4'

The buttons <Import> and <Export> respectively import and export customized protocols in text format.

If the button <Send Data> is pressed, MiSpeaker sends only the net times displayed in the finish ranking according to the protocol chosen.

5.20 Matrix sheet

The Matrix sheet must be filled in if you wish to send the xml file to the FIS.

The relative sheets appear at the sector change. When the sector has been selected, the <Extract data> button can be pressed to fill in the fields on the sheet automatically.

For Alpine or Nordic ski races the penalties can be calculated by pressing the <Points calculation> button. This function provides a printout of the points calculation. In particular in the case of Alpine skiing the “category adder” and “Z-value” must be inserted.

Figure 68 – Matrix Sheet

When “Automatic Column Width” is selected, MiSpeaker automatically adjusts the size of the columns of the ranking grids.

The “Qualified” and “Non-Qualified” grids can be modified as desired.

When the fields have been filled in, the sheet can be exported in xml format and it can be sent to FIS for processing.



The screenshot shows the 'Matrix Sheet' application window. It features a table with columns for Race, Alpine, Qualified, Not Qualified, Status, Rank, Bib, FIS Code, Surname, Name, S, Nat, Year, First R, Second R, Time, and Race Points. The table lists 30 athletes, all with a status of 'QLF'. The right sidebar contains buttons for 'Extract data', 'Redo race', 'Export', 'Import', 'Cancel', 'Print', 'Points calculation', and 'Exit'.

Race	Alpine	Qualified	Not Qualified	Status	Rank	Bib	FIS Code	Surname	Name	S	Nat	Year	First R	Second R	Time	Race Points
QLF	1	29	CA9P					SACHSALBER JANNIK		M			0:45.30	0:00.10	0:45.40	
QLF	2	12	A02X7					LAZZERI CATARINA		F			0:45.54	0:00.10	0:45.64	
QLF	3	28	A01NX					ZUECH DOMINIK		M			0:45.57	0:00.10	0:45.67	
QLF	4	6	807PL					ALBER ANNA MARIA		F			0:46.22	0:00.10	0:46.32	
QLF	5	40	90156					KLOTZ RENE		M			0:46.60	0:00.10	0:46.70	
QLF	6	13	AAEW0					MARK JESSICA		F			0:47.20	0:00.10	0:47.30	
QLF	7	37	DAD58					LAZZERI LUCA		M			0:48.07	0:00.10	0:48.17	
QLF	8	10	A0038					TUMLER NATALIE		F			0:48.16	0:00.10	0:48.26	
QLF	9	2	A01LR					HOFER RAMONA		F			0:48.17	0:00.10	0:48.27	
QLF	10	25	CA95Y					WALLNOEFER JAN		M			0:48.20	0:00.10	0:48.30	
QLF	11	24	CANJJ					CHIZZALI MANUEL		M			0:48.27	0:00.10	0:48.37	
QLF	12	21	HAEC0					FABRI MILOU		F			0:48.31	0:00.10	0:48.41	
QLF	13	48	90155					KLOTZ DAVID		M			0:48.35	0:00.10	0:48.45	
QLF	14	17	CAFPW					HOFER KATRIN		F			0:48.48	0:00.10	0:48.58	
QLF	15	3	CAPYN					BRUGGER MARIE CHRISTIN		F			0:48.51	0:00.10	0:48.61	
QLF	16	56	FAECT					ORTLER HANNES		M			0:48.55	0:00.10	0:48.65	
QLF	17	8	A01LT					BRUNNER LARA		F			0:48.56	0:00.10	0:48.66	
QLF	18	30	DAKH9					ALBER ROLAND		M			0:48.71	0:00.10	0:48.81	
QLF	19	49	DAWZP					PAULI RENE		M			0:48.76	0:00.10	0:48.86	
QLF	20	47	A00Y5					ZOESCHG PATRICK		M			0:48.85	0:00.10	0:48.95	
QLF	21	51	DAT6N					RAICH AARON		M			0:48.94	0:00.10	0:49.04	
QLF	21	43	A01A1					OSTI DAVIDE		M			0:48.94	0:00.10	0:49.04	
QLF	23	59	A02X4					ZESCHG MARTIN		M			0:48.95	0:00.10	0:49.05	
QLF	24	46	801RF					SPRENGER LUKAS		M			0:49.03	0:00.10	0:49.13	
QLF	25	27	9040X					REINSTADLER JONAS		M			0:49.43	0:00.10	0:49.53	
QLF	26	36	AAEVZ					PUNT LUCAS MANUEL		M			0:49.46	0:00.10	0:49.56	
QLF	27	35	CA963					JANSER JOHANNES		M			0:49.56	0:00.10	0:49.66	
QLF	28	42	EAEMR					GRUBER DANIEL		M			0:49.67	0:00.10	0:49.77	
QLF	29	26	80CVN					THOENI TOBIAS		M			0:49.79	0:00.10	0:49.89	
QLF	30	53	9040Y					KNOLL ANDREAS		M			0:49.97	0:00.10	0:50.07	

Figure 69 – Qualified Matrix Sheet

Data from other xml Matrix files can be imported into the Matrix sheet by pressing the <Import> button. Then by pressing the button <Recreate race> a race will be recreated with the data present.

5.21 SMS management

MiSpeaker sends and receives SMS. To activate text messaging go to “General settings” and select “SMS management”. When exiting the configuration box, the button <SMS management> will appear at the bottom left. When the button is pressed, the “SMS Server” program will be activated for communication with the cell phone.

If the program does not start, download Framework 2.0 from

<http://www.microsoft.com/downloads/info.aspx?na=90&p=&SrcDisplayLang=en&SrcCategoryId=&SrcFamilyId=0856eacb-4362-4b0d-8edd-aab15c5e04f5&u=http%3a%2f%2fdownload.microsoft.com%2fdownload%2f5%2f6%2f7%2f567758a3-759e-473e-bf8f-52154438565a%2fdotnetfx.exe>

Next the device must be connected to a serial on the computer and then the serial must be selected in the program.

MiSpeaker will communicate with this program by sending the data to be sent by text message.

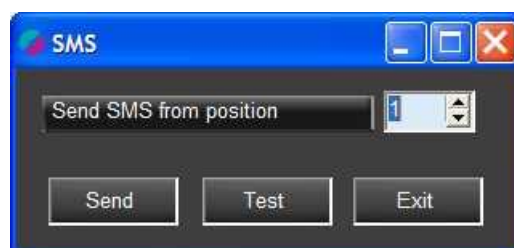


Figure 70 – SMS sending

Then after connecting the cell phone, press the <Send> button in the Text Messaging box.

With this function MiSpeaker can:

- send an athlete's ranking position via SMS. **Attention:** SMS are sent only if the telephone number has been added to the athlete selection
- receive data from MiPod (program for palm computers with Windows Mobile), such as times or scores

5.22 Other functions

- **Lists:** displays some athlete lists (start, disqualified, finished lists, etc.) that are updated in real time. Double-clicking the mouse on “Start list” or “Currently running” sets the competitor to be displayed, while double-clicking the mouse on the other lists displays the athlete's data.
- **Athlete Info:** displays the data of the athlete running at that moment
- **Race Data:** displays the data of the race being run at that moment
- **Info Speaker:** displays a simple window suitable for announcers
- **String settings:** possibility of changing the strings (disqualified, not started, etc.) displayed in the running time and rankings
- **Speaker Lock:** blocks some commands to prevent anyone changing the parameters
- **Send /request:** this makes it possible to:
 - ask the stopwatch for times
 - ask for the race configuration (only for the REI2 Show Jumping program)
 - ask for the running time, also by setting the athlete to be displayed
 - send start lists

5.23 Data export

Clicking on the <Export> button activates the function for exporting data recorded in a format that can be read by other programs. The export formats supported are: Excel, Text and CSV.

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5.24 Language

This menu allows you to select the language program from the six available: Italian, English, French, German, Slovene and Chinese. All the menus, the fixed column headings and the meaning of the icons appear immediately in the selected language. The columns inserted manually, on the other hand, do not change.

5.25 MiSpeaker help

Calls up the on-line help functions.

5.26 About

Calls up the initial program window giving the program version.

6 Data acquisition from the stopwatch

If the stopwatch is connected correctly to the computer and the serial connection is active, the various data will be received and shown in the table. It is possible to recover the data taken by the stopwatch while it was disconnected by using the function <Send / Request> (only for REI2 stopwatch).

Above all a check should be made to make sure that the values selected for Run, Groups and Mode correspond to the type of race set on the stopwatch.

	Rank	Num	Nat	Name	Time	Gap
First	1	1		TOMBA Alberto	1:13.54	+0.47
Last	1	1		TOMBA Alberto	1:13.54	+0.47
	2	2		ROCCA Giorgio	1:14.01	
Next	3	3		MAYER Hermann	1:18.32	-4.31

Finish	Rank	Num	Time	Gap	Name	Nat
1	1	1	1:13.54	0.00	TOMBA Alberto	
2	2	2	1:14.01	+0.47	ROCCA Giorgio	
3	3	3	1:18.32	+4.78	MAYER Hermann	

Figure 71 – Results window

The data are entered in the different cells as they are received and ordered according to the time.

When the program is first launched, the grid is configured so that the first column indicates the competitor's position, the second the bib number and the third the final time. These columns can be deleted.

The rankings table can also be ordered simply by double-clicking with the mouse on the heading of the column to be placed in order.

6.1 Viewable Items

By clicking inside the table with the right mouse button, it is possible to select the data to be viewed. In the menu that appears, select the operation to be performed:

- **Data**

- **Show data** (or press <F4>): displays the data and sends it on the displayboard / SpeakerView
- **Athlete Info** (or press <F1>): shows the information sheet of the selected athlete
- **Modify number** (or press <F2>): changes the athlete's number in the Simple stopwatch and PC-online programs
- **View series-heat** (or press <F3>): in the Swimming program, changes viewing from series to heat and vice versa
- **Print** (or press <F12>): immediately prints the selected ranking
- **Copy**: copies the data selected
- **Save**: exports the data displayed in text format
- **Edit text**: temporarily changes the data shown in the results table. This can be suitable for changing some of the data for the printouts. If the ranking is recreated, the item of data is cancelled

- **Ranking**

- **Group**: possibility of selecting the group to view
- **Add item**: adds the new item to the right of the last one shown
- **Insert item**: inserts a column to the left of the one clicked on
- **Delete item**: cancels the column clicked on
- **Change item name**: makes it possible to change the heading

- **Events**

- **New event**: Shows the event sheet on which the event data can be entered (see para. 5.10 New Event or Modify Event on p. 61)
- **Modify event**: Shows the event sheet on which the data for the event selected can be modified (see para. 5.10 New Event or Modify Event on p. 61)
- **Delete event**: cancels the time of the selected competitor
- **Nuovo cronologico**: View event form where you can enter details of time of day (see para. 5.9 New Time Event a pag. 61)
- **Substitute events**: replaces all the events for the competitor selected with the number of the competitor entered by the user
- **Change run**: changes the run for the event
- **Duplicate events**: duplicates the selected event

- **Action**

- **Not Started**
- **Not Finished**
- **Disqualified**
- **Out of race**: the athlete is added at the bottom of the ranking
- **Re-enable**: the athlete is restored to the ranking (for example, if disqualified he / she is requalified)

The operations <Add Item> and <Insert Item> allow you to choose the type of data to be viewed. <Add Item> adds the item next to the last column used while <Insert Item> inserts the item in the selected column. For some choices, such as Int.Split; Chrono, Speed (S) you are asked which channel you wish to view.

The abbreviation <Gr> next to some choices shows that the group is being referred to.

There are various possibilities for the choice of the group to be viewed.

When <Set group autom> is chosen, if the bib number of the athlete for whom running time is shown changes, all the rankings are automatically recreated on the basis of the athlete's group.

When <No Group> is chosen, the ranking shown is the general one.

When <By Groups> is shown, the rankings of every group inserted are shown successively in the grid.

When <By Selected Groups> is chosen, a window will appear for choosing the groups to be shown successively in the grid of the rankings.

When <Group XXX> is chosen, the ranking of the group selected is shown.

Some of the items that can be selected are:

- Position: position considering the athlete's points and time. By "Current" is meant the event in the grid. For example, in the finish grid it means the STOP while in the grid for intermediates it depends on the intermediate selected
- Group position: like the last item but filtered by group
- Lap position: position considering lap time
- Intermediate Split: time taken from the start to the intermediate chosen
- Intermediate Lap: time taken from the previous intermediate to the intermediate chosen
- Points Rank: points inserted in the start lists
- Actual time: this field displays the time from lap1 to the stop if "actual time" is disabled in the general settings, otherwise it shows the time from the start to the stop
- Race Points: when this item is selected, a window appears in which the race points can be inserted. These points can be inserted automatically by selecting "Formula" and pressing the button <Apply formula to all>, or manually by filling in the boxes for each position in the ranking, for example, 1° → 10, 2° → 9 etc. (see Figure 66).

Other options available are:

- Double the points for relay; used for swimming, double the points inserted for relay

- Divide the points total in the case of a tie; add together the scores of the athletes tied and divide them by their number (for example, two tied for first place → $(10 + 9) / 2 = 9.5$ points)
- Single heat point assignment: used in swimming, the points are assigned to the heat ranking, otherwise they are assigned to the series ranking.

Point Calculation Formula

Formula: **TABLE T3_300**

Description: If athletes ranked are over 300:
POINTS = 2 * (300 - PC + 1) for first 300
POINTS = 0 for the others
If athletes ranked are 300 or under:

☐ Divide sum of points in case of tie

OK
Delete
Clear
Apply formula to all

Rank	Formula	Rank	Formula	Rank	Formula	Rank	Formula	Rank	Formula
1.	10	21.		41.		61.		81.	
2.	9	22.		42.		62.		82.	
3.	8	23.		43.		63.		83.	
4.		24.		44.		64.		84.	
5.		25.		45.		65.		85.	
6.		26.		46.		66.		86.	
7.		27.		47.		67.		87.	
8.		28.		48.		68.		88.	
9.		29.		49.		69.		89.	
10.		30.		50.		70.		90.	
11.		31.		51.		71.		91.	
12.		32.		52.		72.		92.	
13.		33.		53.		73.		93.	
14.		34.		54.		74.		94.	
15.		35.		55.		75.		95.	
16.		36.		56.		76.		96.	
17.		37.		57.		77.		97.	
18.		38.		58.		78.		98.	
19.		39.		59.		79.		99.	
20.		40.		60.		80.		100.	

OTHERS:

Figure 72 – Race Points Sheet

7 Management Transponder

To use these transponders you have to pair with bibs.

You can combine up to 4 transponders per athlete.

In case of relay the team can have a maximum of four athletes with 4 transponders each.

The pairing transponder - bib can be done in several ways:

7.1 Pairing transponder - bib

7.1.1 Pairing from the start list

Already knowing the combination bib - transponder can fill the starting list by inserting in each athlete the correct chip



Pett.	Cognome	Nome	Chip 1
1	MAYER	KARL	1234
2	DODGE	YANN	4567

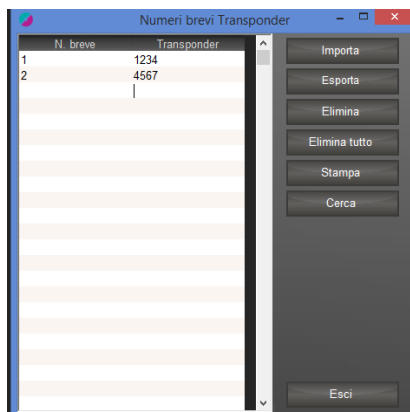
Figure 73 - Sample start list

Many times the number of the transponder is long. So it is preferable to use a map between the number of transponders and a short number.

In the menu "Transponder" → "Short number" you can add this type of mapping.

Some manufacturers of transponders already provide their mapping that can be used in this case.

In some cases, you can write on the chip a number that equals the number bib. For example, referring to the list of Figure 73 you can create this mapping:



N. breve	Transponder
1	1234
2	4567

Figure 74 - Example Short numbers

and then you can edit the start list in this way



Figure 75 - Example start list with short numbers

7.1.2 Pairing via acquisition

Sometimes you do not know the internal code of the transponder. To acquire it you should connect the decoder to the computer and pass the transponder over the antenna (or above the desktop reader if any).

If the transponder has never been acquired then the following window appears.

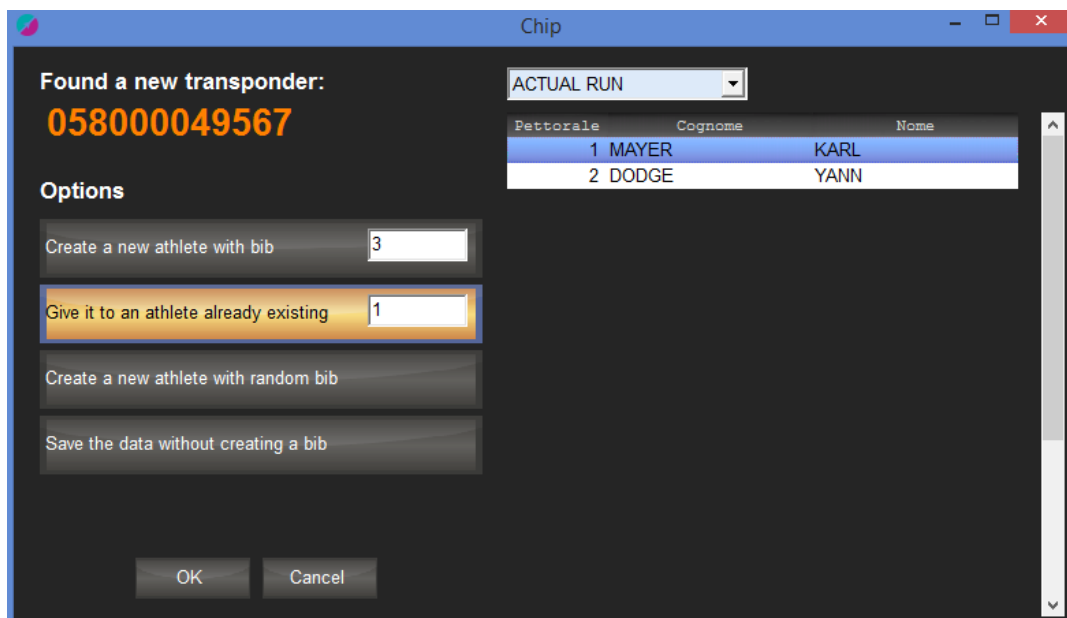


Figure 76 - New transponder

If you create a new athlete you have to enter the bib number of the athlete.

If you assign to an already existing athlete, you can enter the bib number or choose it from the list on the right.

The registration of new transponder should preferably be made in the "Transponder" → "Check". In fact this menu if you press the button to create a new athlete, will see the athlete form. So it is preferable in the case of initial registration.

7.2 Check transponder

In the menu "Transponder" → "Check" displays all the athletes of the start list.

Passing a transponder antenna it will be indicated in green which athlete is associated. This menu can be used in case of registration and initial pairing of transponders.

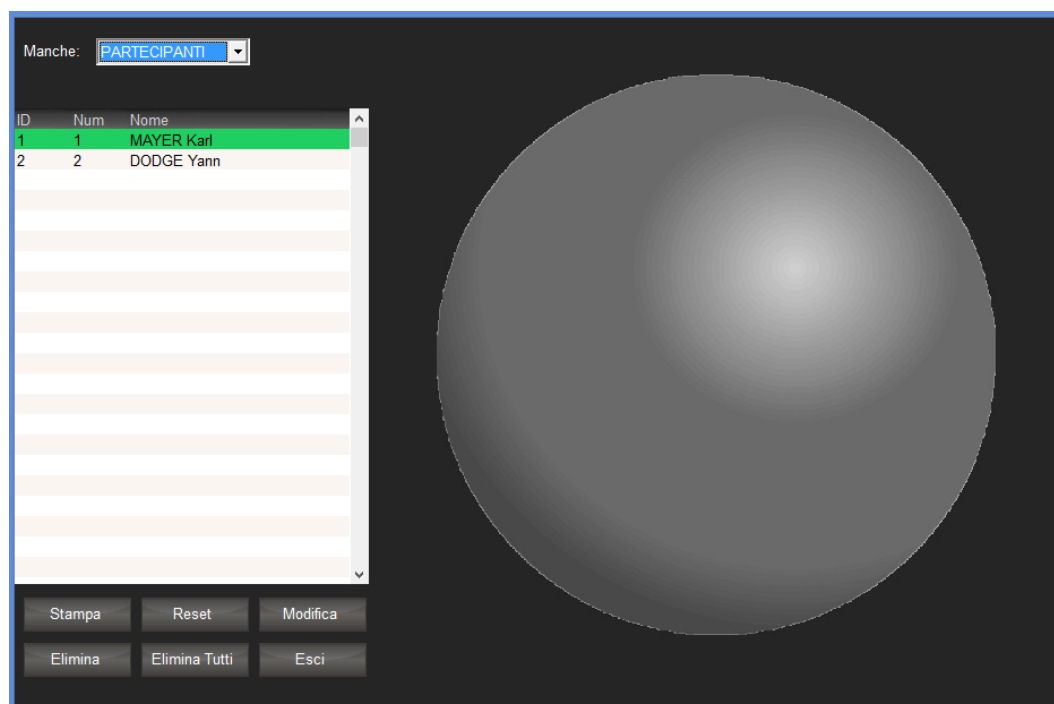


Figure 77 - Check transponder

8 Examples

In the MiSpeaker folder, a subfolder “Examples” can be found with some examples for learning to import athlete files. So run MiSpeaker and follow the instructions below.

8.1 FIS Slalom Special Race

- Import the FIS athletes into the Athletes DB:
 - Select “File” → “Athletes” → “Explore”
 - Cancel the data present with <Delete All>
 - Press <Import>, then set “FIS File CSV” and select any CSV file in the directory (MiSpeaker\Esempi\FIS). Instead of import you can download from FIS, press <Download> “FIS Alpine”
 - After importing the file the table can be filtered by specialisation
- Create a new race:
 - Select “File” → “Races” → “New”
 - Complete the fields
 - Insert in “Discipline” “Slalom”
 - Confirm
 - Press <Start lists>
 - Set “Run” as “Competitors”
- Import the competitors from the “Athletes” database
 - Mode1
 - In “Start lists” press <Add>
 - In the window “Search Parameters” select “Column” as “Category” and “Parameter” as “SL” (insert other parameters for the search as desired)
 - If the athlete does not appear in the list he / she may not have FIS points. In this case the parameter “SL” must be cancelled.
 - Move the cursor with the “Arrow” keys and press “Enter” to add the athlete selected
 - Mode 2

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- Copy and paste from Excel the list of the athlete's codes (or surname and name), press "File" → "Import" → "Athlete data import" → "From DB Athletes"
 - Select "SL" as discipline
- Sorting
 - In "Start lists" select "Edit" → "Sorting"
 - Double-click twice on the "Points" column to rank on the basis of descending points
 - Set the following values and then press <Apply>
 - Random order: yes
 - From record: 1
 - To record: 15
 - From bib: 1
 - Repeat the operation changing the various parameters (for example "Random order" "No")
- Execute the first run
- Bibo creation for the second run
 - In "Start list" press the button <Bibo>
 - Check that "Run destination" is "2" and "Based on... Run" is "1"
 - Set "Invert first" according to the number of athletes to invert
 - Press "Add"
- Execute the second run
- Official printouts and matrix file
 - Select "Tools" → "Matrix" → "FIS XML"
 - Select "Sector" and press the <Extract data> button (you will be asked to enter the factor 'F')
 - Press <Points calculation > for the calculation and printing of the "Calculated penalty"
 - Fill the remaining fields
 - Press <Print> for the official printout

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- Press <Export> to generate the Matrix XML file

8.2 Parallel Race

- Create a new race:
 - Choose 'File' → 'Races' → 'New'
- Fill in the fields using 'Program' → 'Parallel Slalom'
- Rei2 Race
 - Set the race on the stopwatch:
 - if ranking is performed for one athlete, the first run (and possibly also the second run) must be reset as single starts
 - all other runs must be set as parallel
- MiSpeaker
 - Enter 'Start list' and choose 'Start lists' (instead of 'Challenges')
 - If there is not predefined list:
 - Import the participants into 'Competitors'
 - View 'Points' in the grid
 - Press 'Sort' to sort by category and then by points
 - Press 'Reset order'
 - Select 'Edit', choose 'Draw' and add the athletes to run 1
 - If there is already a predefined list, choose run 1 and import the file
 - Changing from 'Start lists' to 'Challenges', the latter are created automatically
 - Download the first run list to the stopwatch
- Carry out the first run on the stopwatch
- If a second ranking run is carried out as well inverting the first 16 for every course, go back to 'Start lists', then 'Edit' → 'Bibo'
- After ranking has been completed, set the parallel program on rei2 and choose run 2 (or run 3 in case of two ranking runs)
- On MiSpeaker go back to 'Start lists', then 'Edit' → 'Bibo' and choose 'Create displayb...', then press Execute to create the ranking panel

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- Furthermore in 'Start list' → 'Edit' → 'Bibo' the functions are listed for inverting the courses and draw the winners.
- At the end of the race choose 'Runs' 'General' to include all runs in the ranking

Notes:

To view the challenge result in the ranking, challenges must be filled in also in the start lists

The function for generating the matrix file manages also parallel races.

8.3 KO Sprint Race

- Create a new race:
 - Choose 'File' → 'Races' → 'New'
- Fill in the fields choosing 'Program' → 'Single starts', 'Configuration' → 'KO Sprint CC'
- Rei2 Race
 - Set the race on the stopwatch:
 - if ranking is performed for one athlete, the first run (and possibly also the second run) must be reset as single starts
 - all other runs must be set as group starts
- MiSpeaker
 - If there is not predefined list:
 - Import the participants into 'Competitors'
 - View 'Points' in the grid
 - Press 'Sort' to sort by category and then by points
 - Press 'Reset order'
 - Select 'Edit', choose 'Draw' and add the athletes to run 1
 - If there is already a predefined list, choose run 1 and import the file
 - Download the first run list to the stopwatch
- Carry out the first run on the stopwatch
- After ranking has been completed, set the group start program on rei2 and choose run 2 (or run 3 in case of two ranking runs)

- On MiSpeaker go back to 'Start lists', then 'Edit' → 'Bibo' and choose 'Create displayb....', choose 'KO Sprint 5 heats/6 for heat' for men and 'KO Sprint 4 heats/6 for heat' for women, then press 'Execute' to create the heats
- Execute the quarters, then go back to 'Bibo' and choose 'Extract Winners' to create the semi-finals
- At the end of the race choose 'Runs' 'General' to include all runs in the ranking.

8.4 Relay Race

There are two ways of managing Relays (single/group start program) based on how bibs are managed.

Notes:

In video rankings only the relay name will appear

In arrival prints the times of the relay team members are added

In order to print the ranking of a single relay team fraction (or of all), choose Print → Relay athletes

8.4.1 Each relay team member has the same bib

If, for example, every member of the relay team 1 has the same bib 1, the following must be done:

- Go in Start lists
- Select “Competitors” list
- Remove the check mark 'Take bibs'
- Add all members of all relay teams to the list of participants
- Select the list “Run 1”
- Insert the new relay team
- Insert the fraction members in the team form

8.4.2 Each relay team member has a unique bib

If, for example, each member of the relay team 1 has a unique bib (101 102, 103, 104), the following must be done:

- Go in Start lists
- Select “Competitors” list
- Check 'Take bibs'
- Add all members of all relay teams to the list of participants with their bib numbers

- Select the list “Run 1”
- Insert the new relay team
- Insert the fraction members in the team form

In this case it is advisable to use the PC-online program on the stopwatch and to leave single or group starts on MiSpeaker.

8.5 Mass Start Race for TV output

- Create a new race:
 - Choose 'File' → 'Races' → 'New'
- Choose AMB stopwatch even though no transponders are used
- Fill in the fields using 'Program' → 'Group starts' In 'Configuration' choose the stopwatch type to use: Rei2 or Master
- Rei2 Race
 - Set PC Online on the stopwatch
- Master race
 - Set Second counter on the stopwatch:
- MiSpeaker
 - Under 'General configurations' choose:
 - 'Heat management' enabled, if the race is managed in heats
 - 'Relay' for a relay race
 - 'Consider previous laps' 'Yes, do not consider laps', if there are more laps
 - 'Data display time' set to 0 or 'Lap display' 'None' to view the running time without stopping it to view each event
 - Create a start list
 - If there is not predefined list:
 - Import the participants into 'Competitors'
 - View 'Points' in the grid
 - Press 'Sort' to sort by category and then by points
 - Press 'Reset order'

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- Select 'Edit', choose 'Draw' and add the athletes to run 1
 - If there is already a predefined list, choose run 1 and import the file
 - After having created the start list and the groups, go back to the main panel
 - To activate the creation of the running time from Rei2 choose 'Send / Request' - 'Request running time' - 'Time every second'
 - To activate the running time choose Send / Request ' - 'Request running time' - 'Set group' (or CTRL + B)
- Execute the race on the stopwatch:
 - The start is assigned to the group, therefore START number 1 is the start of the first group, START number 2 the start of the second group
 - To each event the run currently viewed on MiSpeaker is assigned, i.e. if MiSpeaker is displaying run 1, all acquired events will be run 1.

9 Advice on use

9.1 General

- A start list can be inserted as a “Competitors” run. If the competitor’s bib number is not present in a specific run, MiSpeaker draws from this “special” list. For example, it can be used for show jumping: the start list is imported and the competitors are uploaded onto the stopwatch, also in this case by choosing the list “Competitors”, thus avoiding creating the list for each single ride.
- To display the running time of the current athlete, you should activate the tick output at a second on the REI2 stopwatch and the PC-Online displayboard on the Racetime2 stopwatch. In the latter case, if a new run is set, the change must be made first on the MiSpeaker program and then on the stopwatch.
- If the groups are set, MiSpeaker sets the filter on the ranking on the basis of the athlete’s membership of a group. To deactivate this function press the right mouse button on the results grid, then select “Ranking” → “Group” and remove “Set group automatically”.

9.2 Showed Bib

- 'Showed bib' can be enabled under 'Start list' → 'Configuration'. Enabling this item various competitors can be assigned the same bib or even a text. For example in the same race there can be two groups beginning with bib 1. This is only a displaying function, in reality data are stored with the actual bib. For example a 'Showed bib' can be 1, whereas 'Actual bib' is 101. The 'Actual bib' is the number which must be managed on the stopwatch.
- If a time must be assigned manually to a competitor whose displayed bib is the same as another competitor's (e.g. two number 1), the program will ask which participant to assign it displaying the two competitors' data.
- Opening 'Draw' with the item 'Showed bib' enabled, the program will ask, if you want to use this mode. If you answer Yes, the program will ask which value to add to the bib. For example if you chose bib 1 and enter the 100 as value to be added, you will get the following: 'Showed bib' 1, whereas 'Actual bib' is 101.

9.3 Simple stopwatch

- In the athletics configuration the number of the run is the number of the race currently being run on the stopwatch.
- When the competitors finish, the data are presented in the results table without the competitor’s name. To display the name, the bib numbers must be entered. Place the cursor on the grid on the row with the data of the athlete for whom a modification is to be made and double-click with the mouse or press <F2> and then enter the bib number.

9.4 PC-ONLINE

- As with the simple stopwatch, when the competitors finish the data are presented in the table without the competitors names. To display the names, the bib numbers must be entered.

Place the cursor on the grid on the row with the data of the athlete for whom a modification is to be made and double-click with the mouse or press <F2> and then enter the bib number.

9.5 Show Jumping

- The configuration of the races can be downloaded from the stopwatch or the specific settings can be set for each ride by changing the parameters in general settings. These settings remain in the memory.

9.6 Parallel Slalom and Dual Timer

- To create the first run challenge table, instead of entering each competitor in the 'Challenge' fields, you can import a list into 'start lists'. In this case, the athlete with bib 1 will challenge the athlete with bib 2, etc.
- When the race begins, the current run is considered as 'Rankings'. If a race is executed automatically, the correct name is assigned (e.g. 'Round of 16', 'Quarter finals').c Check, that this indication is correct for every run, because this is the basis for the creation of rankings.

9.7 Swimming

- If it is not possible to create the heats beforehand and they must be entered during the race, it is advisable to upload the competitors list (e.g. from an Excel sheet) into the sheet "Start lists" setting "Race" as "Competitors" and then entering the numbers in the lanes in the sheet "Heats".
- MiSpeaker will automatically complete the other data by sorting from the competitors list inserted.
- Many times in long races competitors are made to run different distances such as 800 and 1500 meters. In MiSpeaker, however, it is necessary to create the two races and insert the athletes who will be starting. So start the 1500 race. At the end of the race the athletes can be moved by pressing the right button and selecting "Change run".

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