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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, start 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, start orders)

Sending of data to the stopwatch

Acquisition of data from the stopwatch

Export of data to other programs

Saving the race.

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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>.

MICRO	GATE	MiSpeaker	Doc: SPK_ Version: 3 Page 9 di 5	_I_3087_001_E .0.8.7 55
	记 MiSpeak	er - InstallShield Wizard		
	Customer Please er	Information Iter your information.		A.
	<u>U</u> ser Nar Paolo Ro	ne: ossi		
	<u>O</u> rganiza Ski Tear	tion: n		
	Install th	s application for: Anyone who uses this computer (all us Only for me (Miorelli Alessandro)	ers)	
	InstallShield –	< Back	x 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	
Current Settings:	
Setup Type:	
Destination Folder:	
C:\Programmi\Microgate\MiSpeaker\	
User Information: Name: Paolo Rossi Company: Ski Team	
< 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".



🖑 MiSpeaker - InstallShield Wizard 🛛 🛛 🔀		
	InstallShield Wizard Completed	
	The InstallShield Wizard has successfully installed MiSpeaker. Click Finish to exit the wizard.	
	< Back Finish Cancel	

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.

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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. Select from the menu File – Race – Explore or press the icon $\stackrel{\frown}{\Longrightarrow}$. 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 $\stackrel{\Box}{}$ button. This gives you the box in Figure 7.

Race Sheet					
Race Name: SLALOM S	SPECIALE		Stopwatch:	REI2	
Program: SINGLE ST			Configuration:		
Place: CORTINA			Date:	19/05/2007 🔽	
Organizer club:	-		Discipline:		
Nation: TA			Specialisation:	SLALOM 🗾	Setting
Enrolment fee:	€		Category:	·	Confirm
Sex: 🔍 🛚 🤇	F 🗭 A			ofouttarid	X Cancel
Competitors Info Race judges Fo	orerunner		USE U		
					New
Order Bib Su	Irname	Name Na	t S Category C	lub	En From athletes
					Explore
					× Delete
					a Import
					Paste

Figure 7 – Race Sheet

Some fields are compulsory and are necessary to identify the race: Race Name: set special slalom

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Stopwatch: select the type of stopwatch you have Program: select the appropriate program type Configuration: select the race configuration

When the option "**Use default grid**" is selected, the table below changes automatically in order to show the fields suitable 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.

Confirm the data entered by pressing the button <Confirm $> \checkmark$.

To activate the race you have chosen, click the corresponding row and click <Call up>, or double click the same corresponding row. In answer to the request "Sure?", click <Yes>. _

At this point it is possible to check the settings of the serial by pressing the icon ¹/₂ (see para. 5.4 Communication parameters on p. 26), 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 stopwatch

It is now possible to create a start list to upload onto the stopwatch. Press the icon . Now press the icon "New" to insert a new competitor. MiSpeaker proposes a competitor identification number that can be changed as desired. Enter the following data and confirm after each insertion by pressing the button "OK".

Bib	Surname	Name	Nation	Group
1	Tomba	Alberto	ITA	GruppoITA
2	Maier	Hermann	AUT	GruppoAUT
3	Rocca	Giorgio	ITA	GruppoITA

To cancel the columns "Category" and "Club", which have no data, from the start list grid, go into "Configuration". The relative selection checkboxes appear next to each field name. Deselect the two fields, then press "Exit" to return to the previous menu.

To create the groups automatically, press the triangle next to the button "Create 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 8. Press "OK" to return to the previous menu.

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	Groups Max Groups Max Groups 200 Groups No. Group Subgroup 1 Gruppo AUT 2 2 Gruppo ITA 1 3	
	V OK Cancel	

Figure 8 – Example of Groups

If the Rei2 stopwatch is being used, it is possible to send the list to the stopwatch by pressing the arrow on the right of the icon and successively selecting the items "Competitor list", "Start order" and "Groups". The data will be correctly uploaded onto the stopwatch.

To print the start list, press the black triangle next to the icon 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 \checkmark 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 "Add item" select the item "Name" and then the item "Gap". This will give you the grid in Figure 9.

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😺 MiSpeaker			
File Edit Communication General V	iew Tools Displayboard Language About	Help	
		≝ ▼ 4 € ▼	
Ra	ank: ——— Num: ———— Rur	: Time::	:,
Name	Nat Club Lap Group	Total T Run T I	nt. Lap Rnk Best Time Gap
Start list: 0 Athl.	Running: 0 Athl. Fir	ishes: 3 Athl. Not Started: 0 Ath	hl. Not Arrived: 0 Athl. Disqualif.: 0 Athl. 🖪
Num Nom 7	emps 🔨 Num Nom 🔨 Num	Nom 🔨 Num Nom	Num Nom Num Nom A
		Tomba AI. Maier He.	
	3	Rocca Gio	
	<u>×</u>	×	
Finish Rnk Num Time Gap	Name Nat	A TAPL - Rnk Num Time Gar	Name Nat
1 1 1 1:13,54 0,0	0 Tomba Alberto		
2 2 2 1:14,01 +0,4	7 Maier Hermann		
3 3 3 1:10,32 +4,7	s Rocca Gibigio		
	3		

Figure 9 – Example of Race

To print the general ranking, press the black triangle next to the icon \square 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 icon \square 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 icon \textcircled . Select run 2. From the "Edit" menu select "Bibo" \textcircled . Set "Invert first" to 2. Close the "Bibo" window. To print the start list, press the black triangle next to the icon \textcircled 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 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

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3.2.1 Initial settings

The initial settings are the same as those given in para. 3.1.1 on p. 12. 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

3.2.2 Creation of a start list

Now a start list can be created for uploading onto the stopwatch. Press the icon \square .

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	Athlete 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".

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🥑 MiSpeake	er						
File Edit C	Comm	unicatio	n Gene	eral	View Tools Displayboard	Language About Help	
D 🛩 🖡	6	· 🐨		6	ga = 🛛 🕂 👷 일	🗞 🗟 🔻 🛃 🗶 🥳 🌲 👻 Summed up	
Current heat 1-Pergher Enrico 2-Litterini Nicola 3-Giacomoni Vit 4-Regolini Martii 5-Devigili Massir 6-Lallai Nicola-l' 7-Maddalena Fe	-ITA -ITA torio-IT/ n-ITA miliano- TA derico-I	a ITA TA			Run:	Time::,- Time::-,- Time::-,- Time::-,- Dependi Luda-ITA 3-Depedi Luda-ITA 3-Depedi Luda-ITA 4-Betta VenolicaITA 5-Cenin Arianna-ITA 6-Donini Luisa-ITA 7-Gavazza Ilaria-ITA	
-Rankings	a		1999 1999 - 1999			er Anna an	
Finish	Rnk	Time	Gap	Ht	Name	Club	^
1	1	33,8	0,0	5 1	Devigili Massimiliano	Brenta Nuoto	
2	2	42,6	+8,8	2 3	Litterini Nicola	Brenta Nuoto	
3	3	43,5	+9,7	1	Pergher Enrico	Csi Trento Nuoto	
4	4	45,6	+11,8	3 (Giacomoni Vittorio	Buonconsiglio N.	
5	5	46,9	+13,1	6	Lallai Nicola	Latemar Nuoto	
6	6	47,5	+13,7	4	Regolini Martin	R. N. Ala	
	1	55,2	+21,4	71	Maddalena rederico	Buonconsiglio N.	
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<	-						>
	(24		
LAP1 -	Rnk	Time	Gap	Ht	Name		_^
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3	2	5,9	+0 0	6	Lallai Nicola	Latemar Nuoto	
4	4	6,6	+1.2	1	Pergher Enrico	Csi Trento Nuoto	
5	5	7.1	+1.7	2	Litterini Nicola	Brenta Nuoto	
6	6	7,5	+2,1	3	Giacomoni Vittorio	Buonconsiglio N.	
7	7	11,4	+6,0	7 1	Maddalena Federico	Buonconsiglio N.	
	1						~
<							>
21/05/2007		Disco	nnected	d: CC	DM2,9600,0,8,0 EV	vents Number: 279 22:42:47	-

Figure 10 – Swimming program start lists

The following data are entered in the lanes:

Bib	Athlete 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 arrow on the right of the icon and selecting the items "Competitor list" and then "Start order". The data will be correctly uploaded onto the stopwatch.

To print the start list, press the black triangle next to the icon and select "List", then "Single run" and "Preview". To return to the results grid, press "Exit".

3.2.3 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 \checkmark 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 icon \square and select "Finish". Select "Preview".

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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 icon and select "Finish". Select "Preview". Press "Summed up" to display the general ranking for the series.

3.3 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

3.3.1 Initial settings

The initial settings are the same as those given in para. 3.1.1 on p. 12.

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) Speciality: (None) Place: Trento

3.3.2 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 stopwatch on p. 13, 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. 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 "Summed up" 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.

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Figure 11 – 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 and double-click with the mouse or press $\langle F2 \rangle$ and then enter the bib number.

If the bib number that arrives from the stopwatch is a number already in the memory, 1000 will be added.

To print the race ranking, press on the black triangle next to the icon 🖾 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 black triangle next to the icon and select "Finish". Select "Preview". Press "Summed up" to display the general ranking for the series.

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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 12).

🥑 Ex	plo	re				
N	S	Date	Name	Directory	^	D New
27		04/05/2007	Nuoto	D:\Speaker\DBGARE\		
28		09/05/2007	Levi_	D:\Speaker\DBGARE\		Recall
29		05/05/2007	DefaultGare	D:\Speaker\DBGARE\		
30		21/05/2007	DefaultGare3	D:\Speaker\DBGARE\		Browse
31		21/05/2007	DefaultGare4	D:\Speaker\DBGARE\		PH DIOWSC
32		05/05/2007	DefaultGare5	D:\Speaker\DBGARE\		Delete
33	X	21/05/2007	Levi	D:\Speaker\DBGARE\		A Delete
						N+ Exit
_					*	
<		1	1		>	

Figure 12 – 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
- Cancel: cancels the database selected

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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 and Swimming.

Next to some of the icons in the program a black triangle can be found indicating the existence of a drop-down menu.

When pasting data on to the tables, care must be taken to ensure that the columns are the same as those of the document that you are copying from. When data are imported, the column headings of the table must be the same.

5.1 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

Program*: Single Starts, Group Starts, Simple Stopwatch, Show Jumping, Swimming

Configuration*: choices available for each program

Place: place where race takes place

Date: date of race

Organizing 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

Specialty: 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

Athletes' sex: M for men, F for women and A for mixed

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Race Sheet	Т. 		lan Tar		
Race Name:	SLALOM SPECIALE		Stopwate	:h: RE12	1
Program:	SINGLE STARTS	-	Configuratio]
Place:	CORTINA		Da	te: 19/05/2007 💌	
Organizer club:			Discipli	ne: Alpino 💌	l
Nation:	ITA 💽		Specialisati		Setting
Enrolment fee:	€		Catego	ory:	Confirm
Sex:	● M ● F ● A		V Use	e default grid	X Cancel
Competitors Info Race	judges Forerunner		tanan tanan		
Order Bib	Surname	Name	Nat S Category	Club	New
					₽ _© From athletes
					🕞 Explore
					X Delete
					🖳 Delete All
					🚡 Import
					Paste

Figure 13 – 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.

The grid below can be filled to indicate the competitors in the various runs. The commands available are:

- **New**: adds a new competitor to the start list by filling out a sheet
- From Athletes: adds athletes from the previously filled out athletes database
- **Explore**: shows the data of the athlete selected
- **X Delete**: cancels the competitors selected
- **Delete All**: cancels all the athletes in the list
- **Import**: imports data from file
- Paste: pastes previously copied data

Press "Confirm" \checkmark to save the data inserted, "Cancel" \times to exit without saving.

Selecting "Run" same as "Competitors" puts the athletes in a special list that can subsequently be used to insert the competitors into the various runs.

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5.2 Display

5.2.1 Programs: Single Starts, Group Starts, Show Jumping



The display is divided into three 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).

The **Information** about the race is at the center of the display. All the lists available such as "Start lists", "Started", "Finished", "Not finished" and "Disqualified" are shown.

If you select <Time to beat> from the menu View – Information (or if you press the symbol \checkmark in the information panel), 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 15). This display is suitable, for example, in cycling time trials.

	MiSpe	aker	Doc: SPK_1_3087_0 Version: 3.0.8.7	001_E
			Page 24 di 55	
MiSpeaker				
File Edit Communication Gen	eral View Tools Displayboard Lar	nguage About Help		
D 🚔 🖬 🖆 🚿 🕼 🕻	🛛 🔻 🗊 👰 = 🕸 🕂 🙀	🙀 🖪 🕶 📲 🔹 🐇	€ ▼	
Finish Rank Num N	at Name	Time	Gap	Þ
First 1 1	Tomba Alberto		1:13,54	+0,47
Last 1 1	Tomba Alberto		1:13,54	+0,47
2 2	Maier Hermann		1:14,01	
Next 3 3	Rocca Giorgio		1:18,32	-4,31
Ranking Run 1-				
Finish Rnk Num Time	Gap Name Nat	∧ LAP1 - Rnk Num	Time Gap Name Nat	^
1 1 1 1:13,54	0,00 Tomba Alberto			
2 2 2 1:14,01	+0,47 Maler Hermann	_		
5 5 5 1.10,52	HI, TO ROCCA GIOIGIO			
	Disha hum			
	Right Dut			
<		× <		>
23/05/2007 😧 Connected	: COM2,9600,0,8,0 Even	ts Number: 6		09:55:28

Figure 15 – Time to beat

If you select <Hide >, this sector disappears.

In these sectors information about the athlete shown can be seen by placing the cursor on the data and pressing the left mouse button.

In the third 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 panel instead of the gap, the competitors' penalties are shown.

Several shortcuts and extra functions are available in the icon bar.







5.2.2 Swimming Program

Curre	nt he	at	Gene	eral D	Data of rogress	race i	n	inguagi	e Abou	t H	elp 6 🐔	▼ s	ummed up	Ne	xt he	at]		
-Current head 1-Pergher En 2-Litterini Nico 3-Giacomoni 4-Regolini Mi 5-Devigili Ma 6-Lallai Nicol 7-Maddalena	rico-ITA ola-ITA Vittorio-IT artin-ITA ssimiliano- a-ITA Federico-	а -іта іта				Run:	Hd L	p E	Ti vent	me:	STYLE		Categor	Ч				-Next hea 1-Lucin Fe 2-Donini A 3-Depedri 4-Betta Ve 5-Cemin A 8-Donini L 7-Gavazze	t ederica-ITA Atthea-ITA Lucia-ITA eronica-ITA vianna-ITA uisa-ITA a Ilaria-ITA	
-Rankings-				10 A 120							1000			- 2		22				
Finish	Rnk	Time	Gap	Ht	Name	e			Club											^
1	1	33,8	0,0	5 Devi	igili Mass	imiliano	B	renta	Nuoto											
2	2	42,6	+8,8	2 Litt	terini Nic	ola	B	renta	Nuoto											
3	3	43,5	+9,7	1 Perc	gher Enric	0	C	si Tre	ento Nu	oto						Finish	rank	inσ		
4	4	45,6	+11,8	3 Giad	comoni Vit	torio	B	loncor	siglio	N.						1 111311	Tunk	шş		
5	5	46,9	+13,1	6 Lall	lai Nicola		Li	atemar	Nuoto											
6	6	47,5	+13,7	4 Rego	olini Mart	in	R	. N.	Ala											
7	7	55,2	+21,4	7 Made	dalena Fed	erico	B	loncor	siglio	N.							_			
2																				>
LAP1	- Rnk	Time	Gap	Ht	Name	e			Club									1		^
1	1	5,4	0,0	4 Rego	olini Mart	in	R	N.	Ala											
2	2	5,9	+0,5	5 Devi	igili Mass	imiliano	B	renta	Nuoto											
3	3	6,3	+0,9	6 Lall	lai Nicola		La	atemar	Nuoto							_				
4	4	6,6	+1,2	1 Perg	gher Enric	0	C	si Tre	ento Nue	oto						Intern	nedia	te rai	ıking	
5	5	7,1	+1,7	2 Litt	terini Nic	ola	B	renta	Nuoto			-								
6	6	7,5	+2,1	3 Giad	comoni Vit	torio	Bi	loncor	siglio	Ν.										
7	7	11,4	+6,0	7 Made	dalena Fed	erico	Bı	loncor	siglio	Ν.										
<																				~
21/05/20	07 🔦	Disco	onnected	: COM2.9	.9600.0.8.0		Even	ts Num	ber: 279										22:42:4	47

Figure 17 - 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.

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

If the rapid selection Φ button is pressed, all the races swum are shown. In this case the competitors are not shown in the "Current heat" and "Next heat" cells.

5.3 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 with an incremental bib number.

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

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													Page 2	5 di 55			
AliSpen	ker	CP	ONOME	TPO B	ASE												
File Edit	Com	imun	ication	Genera	I View 1	Tools Di	splayboard	d Languag	je About	Help							
D 🗳		đ	💅 [1 😰	- 🗊 🤕	ğı –	\$ \$	22 22	Q	- 	â •	Summed up					
	D pr	ata ogi	of œss	race	in	>	Race:		Tin Ga	ne:	::	,					
-Ranking Ra	ace 1-		-							r	1	1	- 11				
1 Finish	Rnk 1	Num 1	11,20	Gap 0,00	Leoni Fa	ame arizio	Club		10				_		4		<u> </u>
2	2	2	13,52	+2,32	Bertoldi	. Nicola		_									
										_							
										Finish r	anking						
											1				1		
																	~
			Disease			0.0.0.0	1	Events No.								22.45.50	>

Figure 18 - Display for Simple Stopwatch

If the bib number that comes from the stopwatch is a number already in the memory, 1000 will be added.

5.4 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, select the commands

Communication – Setting or press the icon \Im .

MICROSGATE	М	iSpeaker		Doc: SPK_I_3087_00 Version: 3.0.8.7 Page 27 di 55	I_E
😺 Serial Setti	ng 🛛		🤪 Serial	Setting	×
N COM1	lame I <mark>T</mark>			Name COM1 <mark>-</mark>	
Bau 9600	ıd Rate ▼		[Baud Rate 9600 <mark> </mark>	
Discor	inect		@ (Connect	
🔐 Periph	n. management		- 🎬	Periph. management	
ୟ _ସ Call n	umber		₽ _@ (Call number	
📭 Exit			₽ +	Exit	

Figure 19 - Serial configuration - unconnected status

Figure 20 - Serial configuration - connected status

🥥 Seria	Setting	×
	Name COM1 ▼ COM1 COM3	
9	Disconnect	
941 2-0	Periph. management	
P	Exit]

Figure 21 – Serial configuration – choices

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

After setting the correct configuration, click $\langle \text{Exit} \rangle \Psi^*$ to save the configuration. To activate communication with the stopwatch, click the button $\langle \text{Connect} \rangle \varpi$, to end communication, click $\langle \text{Disconnect} \rangle$.

By pressing < Peripherals Management> is 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.

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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.

5.5 General settings

This function, which can be called up from the General - Settings menu, (or by pressing the icon 2), makes it possible to set some values of a general kind. The values that can be set regard the timing session.

9	General Settings	
	Info	Values
	RUN	1
	SET GROUP AUTOM.	Yes
	GROUP	NO GROUP
	PRECISION	1/100s
	ROUNDING	Approx. by truncation
	ROUND OFF	No
	FORMAT	HH:MM:SS.DCMd
	VIEW	Total
	BEST RUN	No
	INCREMENT RUN AUTOM.	Yes
	INCREMENT INTERMEDIATE AUTOM.	No
	SEND DATA TO STOPWATCH	Disabled
	PENALTY RANKING	Ascending
	AUTO COLUMN WIDTH	Enabled
	TAKE PREVIOUS LAPS	No
	USE	UNIT
	MAX ATHLETES IN RANK (0-ALL)	0
	RUN NAME	Disabled
		<u>ок</u>

Figure 22 - 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 and with ³ for swimming.

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)

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

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

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- Automatic run increment: if the run of the athlete whose running time is displayed changes, all the rankings are automatically recreated on the basis of that run
- Automatic intermediate increment: 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
- **Send of data to stopwatch**¹**:** 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
- Automatically set group¹: 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
- Automatic column width: the columns of the rankings automatically change their widths according to the size of the data displayed
- **Penalty ranking:** the ranking can be calculated on the basis of an ascending or descending penalty order
- **Consider bibs**³: 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 1**²: the table can be 'A' or 'C'
- **Table Phase 2**²: the table can be 'A' or 'C'
- **Consider previous laps**¹: in determining the ranking, also athletes who have not completed the full number of laps are included
- **Max athletes in ranking**¹: 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.

5.6 International settings

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

International Setting	
Time Separator	:
Decimal Separator	
List Separator	:
🔮 Save	International Setting

Figure 23 - International settings

If the button \langle Save Internat. Settings \rangle 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.

5.7 Start lists

To manage the start lists use the commands Edit – Start lists or press on the icon \square .

		Doc: SPK_I_3087_001_E	
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Start List														
File Edit Dov	wnload	data	Setting											
12 h #	P i	₹↓	1	Q -			ŝ (ð 🔇						
Start List														
		1		1	T							-		
Run:			Order	Bil	b	AthleteID	TOMBA	Surname		TREPTO	Name	Nation	Second 1	Name ^
1	•	I É	2		2	2	MAIER		H	ERMANN				
Command:			3		3	3	ROCCA		G	IORGIO				
D New														
Modify														
▲ Delete														
Delete All														
► Add														
🗢 Auto Insert														
🔒 Take order														
Take hihe														
Check List														
Exit														
														~
		1		_			_		_	_			_	
-														

Figure 24 – Start lists

In the table showing the start list in the example in Figure 24, the following are displayed: order, bib number, surname, name, nation, sex, category and club.

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
- **Control Control Contr**
- Add: adds one or more athletes from the list of competitors
- ✤ Auto Insert: automatically inserts the bib numbers and the start times in the list
- **Take order**: resets the value of the order column on the basis of the current order
- **Take bi**: resets the bib number on the basis of the current order
- ✓ Check list: 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.

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To cancel a competitor, select the corresponding row and click the button $\langle Delete \rangle^4$. To select more than one competitor, keep the $\langle CTRL \rangle$ key pressed down and continue with selection. To cancel all the data entered, click the button $\langle Delete all \rangle^{44}$.

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 black triangle

• next to the icon it is possible to choose between send the start 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 \langle Generate Automatic Starts \rangle \langle 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).

The button 0 displays groups. When the black triangle \checkmark is pressed, 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 24 the competitors Tomba and Maier are inserted in Group 1 while the competitor Ghedina is inserted in Group 2.

Pressing the button A 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 $2 \downarrow$ 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 🖷 allows you to create the bibo (see para. 5.7.1 Bibo on p. 32).

When the black triangle \checkmark next to the print button \square 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.

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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. 5.7.8 Start Lists configuration grid on p. 38)

5.7.1 Bibo Creation and Sort

🤪 Bibo & Sort	
Run destination	RUN 1
Lased on	
Run:	
Group:	NO GROUP
Invert first:	15
Ranking:	Total 🗾
Add NS NF DQ:	No 👤
Random sort:	No 💌
From number:	0
& Add	Exit

Figure 25 - Bibo

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

To perform a draw you should insert the athletes in the competitors list and if necessary, create the groups. The groups must be formed on the basis of the insertion order and not on the basis of the bib number. For example, if the first 10 athletes in the rank must be inserted in random order, it is advisable first to order the competitors list on the basis of points and create the group from 1 to 10.

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

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the bib number to start from (if 0 is entered, the previous bib number is kept)

The button $\langle Add \rangle \oplus$ adds the bibo to the start list

The button $\langle \text{Exit} \rangle$ **P** allows you to exit this window.

5.7.2 Swimming start lists

In the swimming races the heats can be created manually by pressing the button \langle Heats \rangle (Figure 26 – 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 in "Race sheet" (see para. 5.1 Race sheet 21) 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 ⁴ next to the athlete's lane.

To cancel the lane data, press the button \mathfrak{I} .

The following commands are available for the heat:

- Create heat: this takes you to the automatic heats creation menu (see para. 5.7.3 Automatic heats creation on p. 34)
- Insert times: inserts the athletes participating by recreating the previously formed heats (see para. 5.7.4 Inserting reference times on p. 36)
- Insert heat: inserts an empty heat by moving all the following heats
- Delete heat: cancels the heat selected
- Delete all: cancels all the heats inserted
- Stear 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.

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Start List	ata Setting					
ine in <i>p</i> i ≜i	<u> <u> </u> <u></u></u>	ŧ				
Start List Heats						
	Race: 400	50 or	Bib Athlete Code	Athlete Surname	Athlete Name Nation	n
	Lenght 25 💌	1	139 TRE-3706 1995 TRE-2	PERGHER CSI TRENTO NUOTO	ENRICO IT2 EB 00:00:00,0	M .
	Lanes 10 💌	2	83 TRE-3388 1996 TRE-8	LITTERINI BRENTA NUOTO	NICOLA ITZ	S .
Create heats			148 TRE-1526	GIACOMONI	VITTORIO	
	Heat 1	3	1996 TRE-3	BUONCONSIGLIO N.	EB 00:00:00,0	
[©] o Insert heat	Distance 400 💌	4	77 TRE-1774 1995 TRE-6	REGOLINI R. N. ALA	MARTIN IT/ EB 00:06:14,8	S .
K Delete heat	Event 🗾	-	132 TRE-3894	DEVIGILI	MASSIMILIANO ITZ	
	Sex M 💌	Ð	1995 TRE-8	BRENTA NUOTO	EB 00:00:00,0	
Clean heat	Style	6	143 TRE-2478 1995 TRE-3456	LALLAI LATEMAR NUOTO	NICOLA ITZ	s (
🖉 Move Heat	Category EB	7	122 TRE-3007	MADDALENA	FEDERICO	
	Year from A	Ľ	1996 TRE-3	BUONCONSIGLIO N.	EB 00:00:00,0	
₽ Exit	Relay NO 💌	8			00:00:00,0	1
	Note					

Figure 26 – Heats creation

5.7.3 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 Composition" panel. 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 <Substitute> .

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.

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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> $\overline{4}$ or pasting the data with <Paste> $\overline{6}$.

🥥 Create He	ats												
Sort Sex 1st Category	о м о ғ	1	From Ye	ar To Y	ear Distan	Column S nn head ces: 50,	tructure ing: Distance 100, 200, 400, D/Backets)	Style Phase 800, 1500, 4x25,	4x50, 4x100, 4	4x200	📭 Cre	ate Heats	
2nd Category					Phase	: Q(Quali	f.), O(Round o	f 16), U(Quarterf.)), S(Semif.), F(Final), D(Series)	🔁 Pa	ste	
3th Category					Time Withou	Referen ut time: S1	ice: HH:MM:S For 0,00	S,DC			🚡 Imp	ort	
5th Category					Exam 50 L D	ple: 50 S	TYLE CRAWL	SERIES			🗏 Del	ete grid	
6th Category 7th Category					Add r	ace colu	imn	50.1	D 🗸	⊟ <mark>o</mark> Add	🗶 De	lete row	
8th Category								100 L 200 L		🖫 Change	🗙 Re	move column	
10th Category	,							400 L 800 L 1500 I	•	ổ Clear	🔓 Ge	nerate Excel She	et
l Minimum n	umber of athle	etes per hea	at: 2	•				Bashdalla			₽ Exi	t	
Pettorale	IDAtleta	Cognome	Nome	Sesso	Categoria	Anno	Nazione	IDSocietà	Società	400 L D	50 L D	100 F D	^
													~
													2

Figure 27 – Create heats

Pressing the button <Cancel Table> \mathbb{K} allows you to renew the table by canceling all the data entered and the race columns. With the button <Cancel row> \times the data of the athlete selected are canceled. If the button <Remove column> \times is pressed, the race column selected is canceled.

If the button \langle Create heats $\rangle \equiv \langle$ 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.

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Pressing the button \langle Generate Excel Sheet \rangle \clubsuit 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 \langle Paste \rangle R. After copying all the various athletes' data from the various Excel sheets, the heats can be created with the command \langle Create Heats \rangle

The button $\langle \text{Exit} \rangle$ allows you to quit this window.

5.7.4 Inserting reference times

Insert time reference					
Athlete Info Sex M OF Bib Surname Name	Bib Code	Surname N	iame	S Category Year N	at Club ID
Category Year Nation					
Club Code	Insert	Delete 🗶 Cancel	№ Exit		>
Race	Consider categories	for insertion	Minimu	m number of athletes per he	at. 2

Figure 28 – 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 \checkmark . The reference time and the race code must also be entered.

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

To cancel the athlete selected from the grid, press <Cancel> \times .

To exit without entering the athletes in the heats, press <Annul $> \times$.

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 <Exit> It allows you to quit this window, confirming the insertion.

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5.7.5 Automatic insertion

The bib numbers and start times can be automatically entered by clicking the button <Automatic Inser.> \oplus to call up the following window.

🤞 Auto Insert	
From Number: 0	To Number: 0
Increment: 1	Interval: 0 sec.
Time: 00:00:00,0000	Date: **/**/****
■ <mark>0</mark> Insert <u>12:01</u> At	Jto Starts

Figure 29 – 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 <Auto Starts > 12:01.

5.7.6 Import data

It is possible to import the starters' lists and the start lists produced with other programs. To use this function, call up the menu File - Import – 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.

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.

5.7.7 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.

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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" and a bar indicating the state of progress of the operation.



Figure 30 – 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", "Start 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.

5.7.8 Start Lists configuration grid



Figure 31 – 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.

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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 "Name" indicates the 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> I allows you to quit this window.

5.7.9 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 33 – Search box- search fields

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

5.7.10 Printout

To get the printout of the start order, select File – Print– Start lists or click the triangle next to the symbol and select the printout "general" or "for groups" or one group only.

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5.8 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 "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> \checkmark must be pressed.

🕹 Event 🛛 🕅								
ACTION: Modify	y event. Modify	y data						
Bib: 139		Race: 1						
Event: STO	P	Com	mand: ACTIVE	•				
Total time: 00:	00:43,5		Time: 00:41:18,2	779				
Run time: 00:	00:43,5		Date 01/01/2007					
Lap time:	00:01,5,	Radio :	speed:					
Penalty/Points: 000	00,000	5	Speed:					
Modify time: 00:	00:00,0	St-Sp speed:						
	No	ote:						
-Athlete Info								
Athlete ID : TRE-	3706	Surname:	PERGHER					
Name: ENRI	0	Club	CSI TRENTO NUOT	0				
Group:								
Exit	🗸 Confi	rm	Change event					
Find Event	🖹 New	Event	X Cancel					

Figure 34 – Edit data

If <Change Event> 1 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> $\stackrel{\text{def}}{=}$ 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

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DISQUALIFIED: the competitor is declared to be disqualified

If <New Event $> \square$ is pressed, the data for the new event can be entered. If you press <Cancel $> \times$, you quit without confirming.

Pressing <Exit> It closes the menu.

5.9 Internal stopwatch

The internal stopwatch menu shows all the race events (Figure 35).

Events can be generated by pressing the buttons <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 Ev.: opens a panel in which to enter data for the new event
- Edit: opens a panel 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 5.5 General settings on p. 28)
- Search: to search for a specific event

🤳 Inter	nal sto	pwa	tch					
Rank	Num	Run	Logic Ch.	Physic Ch.	Time	Date	Flag 🔺	
1	77	1	START	TASTE START	00:40:34,7979	01/01/2007	Ī	
2	132	1	START	TASTE START	00:40:34,7979	01/01/2007		
3	143	1	START	TASTE START	00:40:34,7979	01/01/2007		-New Event-
4	122	1	START	TASTE START	00:40:34,7979	01/01/2007		How Erom
5	139	1	START	TASTE START	00:40:34,7979	01/01/2007		START
6	83	1	START	TASTE START	00:40:34,7979	01/01/2007		LAP1
7	148	1	START	TASTE START	00:40:34,7979	01/01/2007		DAPT
8	77	1	LAP 1	TASTE STOP	00:40:40,2079	01/01/2007		LAP2
9	132	1	LAP 1	TASTE STOP	00:40:40,7379	01/01/2007		
10	143	1	LAP 1	TASTE STOP	00:40:41,0779	01/01/2007		STOP
11	139	1	LAP 1	TASTE STOP	00:40:41,4279	01/01/2007		<u>.</u>
12	83	1	LAP 1	TASTE STOP	00 Dight button to	modify quick		
13	148	1	LAP 1	TASTE STOP	00.10.12,2115			
14	77	1	LAP 2	TASTE STOP	00:40:43,6179	01/01/2007		
15	132	1	LAP 2	TASTE STOP	00:40:44,0379	01/01/2007		
16	143	1	LAP 2	TASTE STOP	00:40:44,3679	01/01/2007		
17	148	1	LAP 2	TASTE STOP	00:40:44,7279	01/01/2007		-
18	83	1	LAP 2	TASTE STOP	00:40:45,1379	01/01/2007		
19	139	1	LAP 2	TASTE STOP	00:40:45,5179	01/01/2007		
20	77	1	LAP 3	TASTE STOP	00:40:45,8579	01/01/2007		
21	122	1	LAP 1	TASTE STOP	00:40:46,2279	01/01/2007	122	3
22	192	1	T.AP 3	TASTE STOP	00.40.47 2379	01/01/2007	×	
		lew Fy	ent 🕅 1	Indify	Send data	Find	Exit	

Figure 35- Internal stopwatch

5.10 Internet data exchange

🥑 Net			
User Name LT116 Tor 1971 IP Server 192 . 168 . 0 . 1	Verbinden Quit	-Daten d. Rennens- ✓ Athleten senden ✓ Tageszeiten senden ✓ Gruppen senden	✓ Daten senden
Mitteilungen			4
			✓ Send
			1

Figure 36 – 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 othe, if necessary disactivating the firewall. When MiServer is activated and the button <Connect> is pressed, 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 $\langle \text{Connect} \rangle$ 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 \langle Send $\rangle \checkmark$ and then by pressing the same button or the key \langle Enter \rangle 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 \langle Send Data $\rangle \checkmark$. 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.

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5.11 Group Management

To manage groups, use the commands Edit – Groups.



Figure 37 – 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 icon <New group> 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

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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.

If the maximum number of groups is changed, the maximum number of subgroups is automatically changed. Altogether 4000 entries are possible, so by choosing 20 groups, 200 subgroups can be entered (20 * 200 = 4000).

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

5.12 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 "For groups" (or "For selected groups") from the items available (see para. 6.1 Viewable on p. 49).

If you press the black triangle \checkmark next to the print button \square 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, text or HTML format.

Printouts can be configured as desired (see para. 5.12.1 Report setting on p. 45).

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

It is also possible to print the group ranking "Group 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).

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5.12.1. Report setting

Report setup		
[General-	Foot of page image	Title image
Top margin 200	Number	Number
Bottom margin 200		
Left margin 50	Position	Position
Right margin 50		
Height 10		
Row Separator	Max width 106	Max width 32
Print race data	🖌 Insert 🛛 🗶 Delete	✓ Insert 🗶 Delete
Title Height 80		Foot = = =
	TROFFO MERON	
	DOLLANO	
	🛕 Preview 🚽 Save 🔛 Exi	t

Figure 38 – 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" \blacksquare . To view a preview of the page to be printed, press "Preview".

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5.13 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 39 – Run selection window.

Click the button <OK> when you have finished.

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5.14 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.

Info		Values	^		
Hexadecimal(XX)	0x10				
Char(C)	'R'				
Char(C)	••			-Insert data	
Char(C)	12			Info:	•
Char(C)	**				
Char(C)	°O*			Value:	
Char(C)	'0'			14 14	- 114 (L. 1
Char(C)	'0'			✓ Add	+ Insert
Char(C)	'0'			1	
Char(C)	'0'			× Delete	S Delete All
Char(C)	'0'				
Char(C)	'0'				
Number(NNNNN)	Zeros				
Char(C)	'0'				
Char(C)	'0'				
Char(C)	'0'				
B	Zeros		~		

Figure 40 – 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'

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The buttons \mathbf{k} <Import> and \mathbf{k} <Export> respectively import and export customized protocols in text format.

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

5.15 Language

This menu allows you to select the language program from the four available: Italian, English, French and German. 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.

5.16 MiSpeaker help

Calls up the on-line help functions.

5.17 About

Calls up the initial program window giving the program version.

5.18 Other functions

In the main menu and in the icons bar some other additional functions are available:

- Solution Clears the race by canceling all the data
- Updates the rankings
- Saves the race on file
- Wiew (Menu File Print): to view the printouts saved as reports (.qrp)
- Test (Communication Menu): to view the information coming from the stopwatch.

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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 Requests– Upload data 4 (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.

🥥 MiSp	eake	r																									
File Ed	it C	omm	unicat	tion Ger	ieral Vie	ew To	ools	Displa	yboard	Lan	guage	Abc	ut I	Help													
D 🖨			-	Ø f	2 - E	¢ @	-	Ф	\$	2	Q2	<u>à</u> ,	-	- 2	ě.	â	•										
					Ra	nk: 🗕		Num	n: 💶 –		-	18	Run:				Tim	e: 🗧	-:	:		,					
	-			Name		Nat		Cluk	>	La	p	Grou	p	T 	otal	Г -,	Ru :-	n T •:,-	I1	nt. La ::	.p Ri	nk Be	st Tin	me	Ga :	p :,	
			Start	list: 0 Athl.					Running	g: 0 Ath	ı.	1	Finis	shes:	3 Athl.		No	ot Starte	d: 0 Ath	I.	Nc	t Arrive	d: 0 Athl.		Di	squalif.: 0	Athl.
Num			Nom		Te	emps		Num		Nom		Nu 1 2 3	m T M R	omba aier occa	Nom Al. He. Gio	Image: A state of the state	Num		Nom	•	Num		Nom		Num	1	Iom ^
							~				~					~)						~			*
Ranking	s				11	4				2	24	5					-						32		- 25		
Fini	sh	Rnk	Num	Time	Gap	Tomb	Name		Nat					^	LAP1	•	Rnk Nu	um Tim	e Gap	Name	Nat						^
2		2	2	1:14,01	+0,47	Maie	Her Her	mann						-													
3		3	3	1:18,32	2 +4,78	Rocca	a Gio	orgio																			
< .													>	Ť	<												>
21/05/2	2007	•	С	onnected	: COM1,	9600,0	,8,0			Even	ts Num	ber: 6													23:03:2	5	

Figure 41 – 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 canceled.

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:

Athlete Info (or press <F1>): shows the information sheet of the selected athlete

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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

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

Cancel item: cancels the column clicked on

Change item name: makes it possible to change the heading

New event: Shows the event sheet on which the event data can be entered (see para. 5.8 New Event or Modify Event on p. 40)

Modify event: Shows the event sheet on which the data for the event selected can be modified (see para. 5.8 New Event or Modify Event on p. 40)

Cancel event: cancels the time of the selected competitor

Substitute events: replaces all the events for the competitor selected with the number of the competitor entered by the user

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 canceled.

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

When <For 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.

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Athlete Info	F1
Print	F12
Group	•
Add item	+
Insert item	•
Delete item	
Change item name	
New Event	Ctrl+N
Modify Event	Ctrl+M
Cancel Event	Ctrl+E
Substitute Events	
Сору	
Save	
Edit Text	



Rank Gr Rank Num Time Name Nat Sex Category Date of birth Gap Gr Gap Int Spl Int Lap Run T Total T AvgS AvgS STSP Radio S AirT SnowT Humidity Chrono Run Days Penalty Group Event Club Note Athlete ID Club ID Race Points Figure 43 - Results window

- choice of items



7 Advice on use

7.1 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.

7.2 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 $\langle F2 \rangle$ and then enter the bib number.

If the finish number that comes from the stopwatch is a number already in the memory, 10000 will be added.

7.3 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 $\langle F2 \rangle$ and then enter the bib number.

7.4 Show Jumping

The specific settings can be set for each ride by changing the parameters in general settings. These settings remain in the memory.

7.5 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 drawing from the competitors list inserted.

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8 Data export

Clicking the small triangle next to the icon Export \clubsuit activates the recorded data export function in a format readable by other programs. The export formats supported are Excel, Text and CSV, FIN and TESO.

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9 Modification history

The table below summarizes the main changes made to this document.

Program version	Paragraph	Page	Description of modification
3.0.8.7			First version of this manual

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