

K-Jump User Manual

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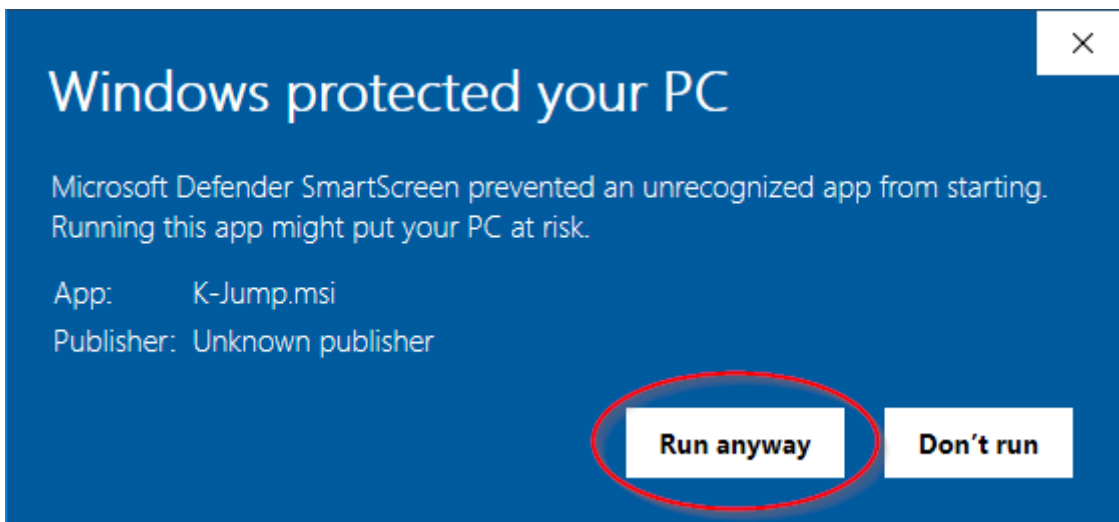
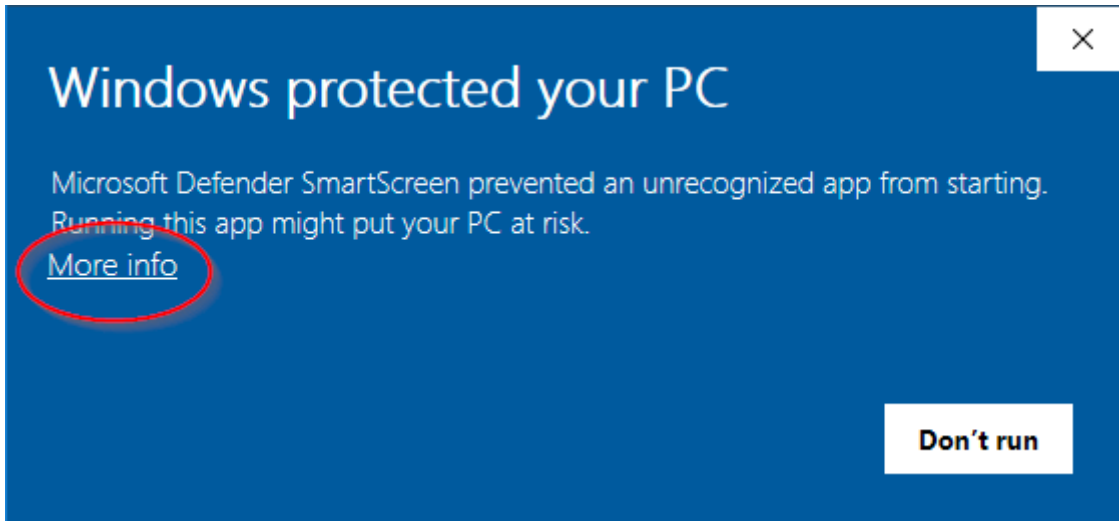
Chapter 1. Installation

Download the installation files from the K-Jump home page: <https://kjump.no/download>.

Install K-Jump by running the installer.



Windows SmartScreen might show a warning when opening the file. Choose [**More info**] and [**Run anyway**] to continue the installation.



Chapter 2. Quick Start

2.1. Data

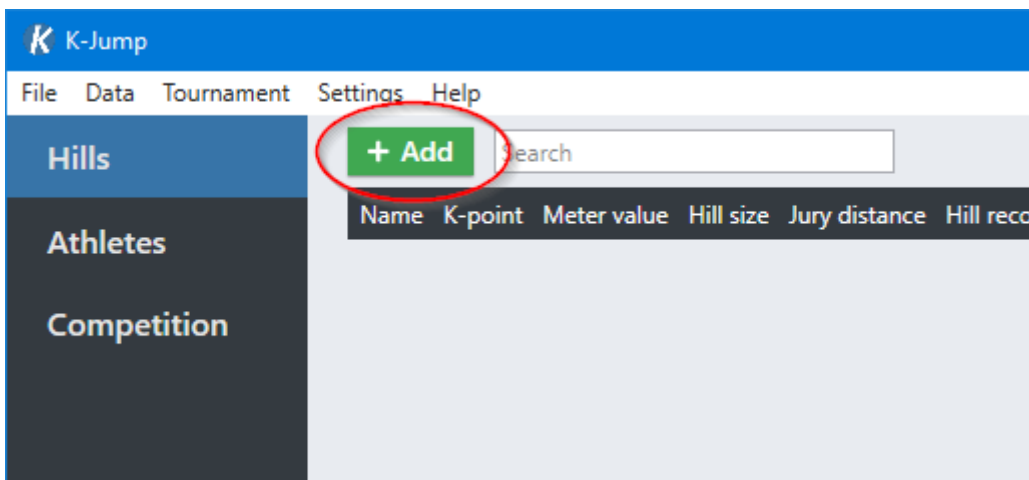


Data can be imported from CSV files. See [Import and Export](#) for details.

Hills

Hills can be found under **Hills** in the side menu. Hills must be registered on this page before they can be used in competitions.

Click [**Add**] to create a new hill.

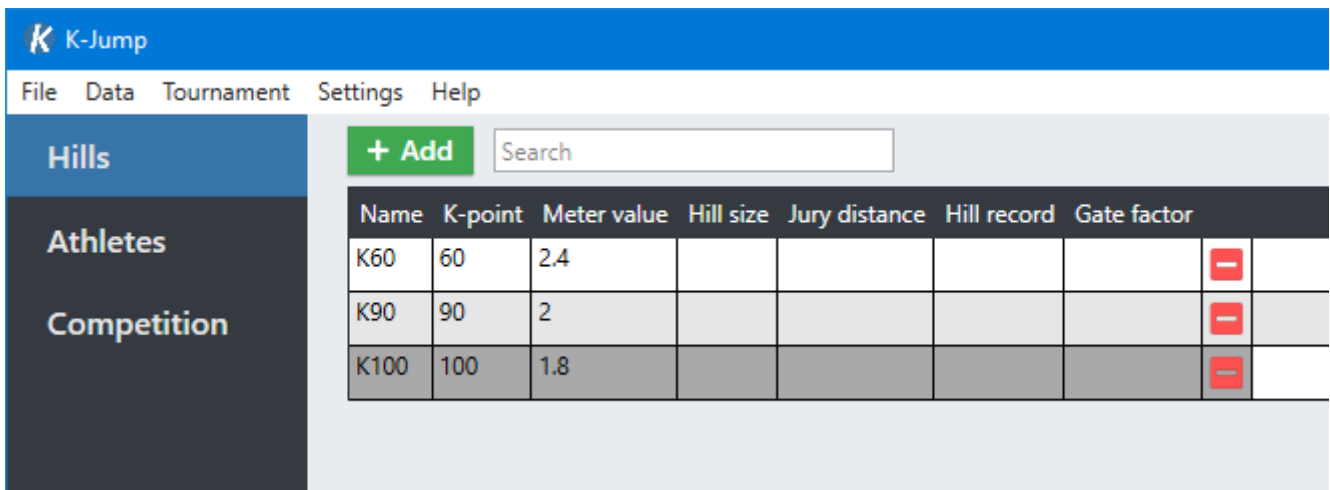


The 'Add hill' popup form contains the following fields and buttons:

- Name: K100
- K-point: 100
- Meter value: 1,8
- Hill size: (empty)
- Jury distance: (empty)
- Hill record: (empty)
- Gate factor: (empty)
- Buttons: OK, Cancel

Enter information about the hill in the popup and click [**OK**] to save.

A name, k-point and meter value are required. The other fields are optional and can be left blank. The meter value will be suggested automatically based on the k-point. See [Hills](#) for more information.

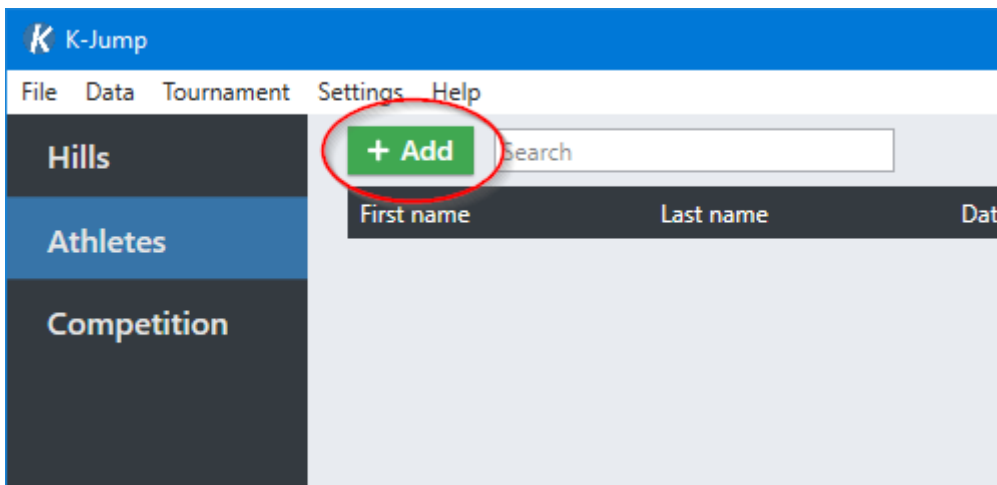


You can modify hills by editing the table.

Athletes

Athletes can be found under **Athletes** in the side menu. As with hills, athletes must be registered before they can be used in competitions.

Click [**Add**] to create a new athlete.



K Add athlete
✕

First name

Last name

Date of birth
 15

Gender
 ▼

Club
 ▼

District
 ▼

Team
 ▼

Nation
 ▼

FIS code

OK
Cancel

Enter information about the athlete in the popup and click [OK] to save.

K K-Jump

File Data Tournament Settings Help

Hills
Athletes
Competition

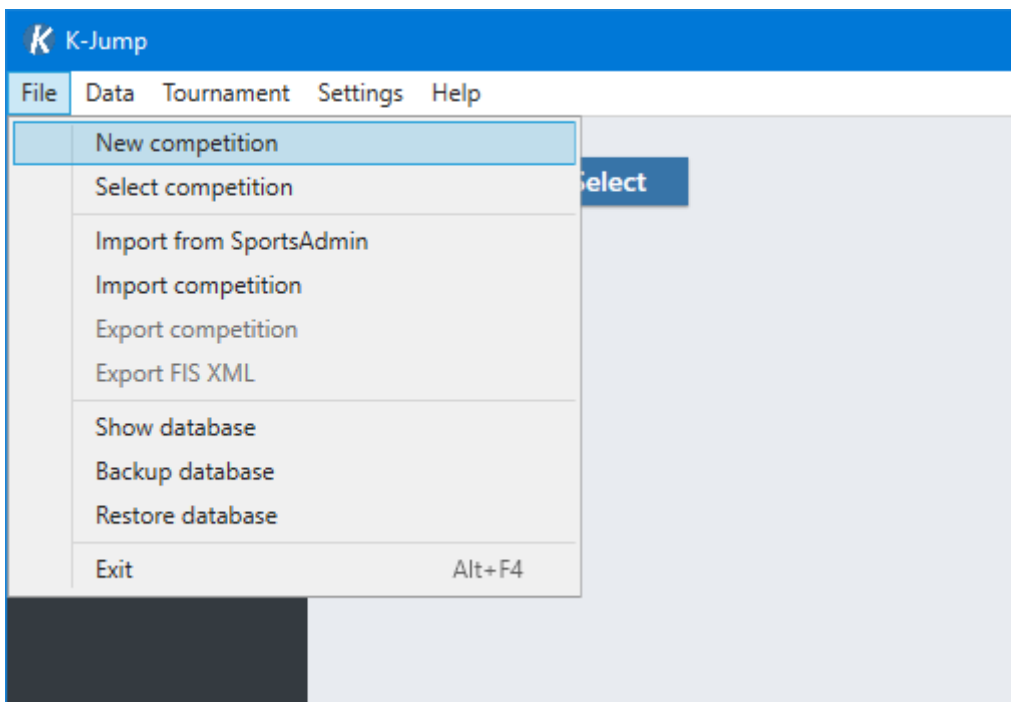
+ Add

First name	Last name	Date of birth	Gender	Club	District	Team	Nation	FIS code
David	Jones	09/03/2000 15	Male ▼					-
Elizabeth	Smith	07/27/2021 15	Female ▼					-
James	Adams	01/02/2000 15	Male ▼					-
Jennifer	Mason	04/05/2021 15	Female ▼					-
John	Baker	06/03/2000 15	Male ▼					-
Linda	Patel	12/08/2021 15	Female ▼					-
Mary	Hills	05/19/2000 15	Female ▼					-
Patricia	Hills	10/06/2021 15	Female ▼					-
Robert	Clark	09/25/2000 15	Male ▼					-
William	Evans	07/12/2021 15	Male ▼					-

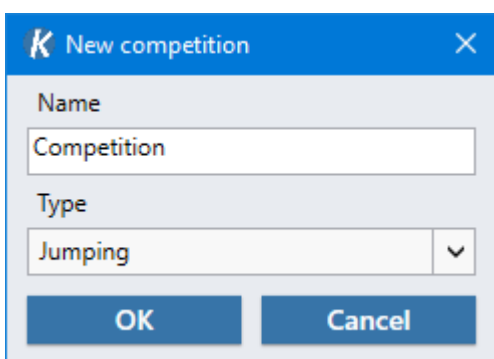
You can modify athletes by editing the table.

2.2. New Competition

To create a new competition, select **File > New competition.**

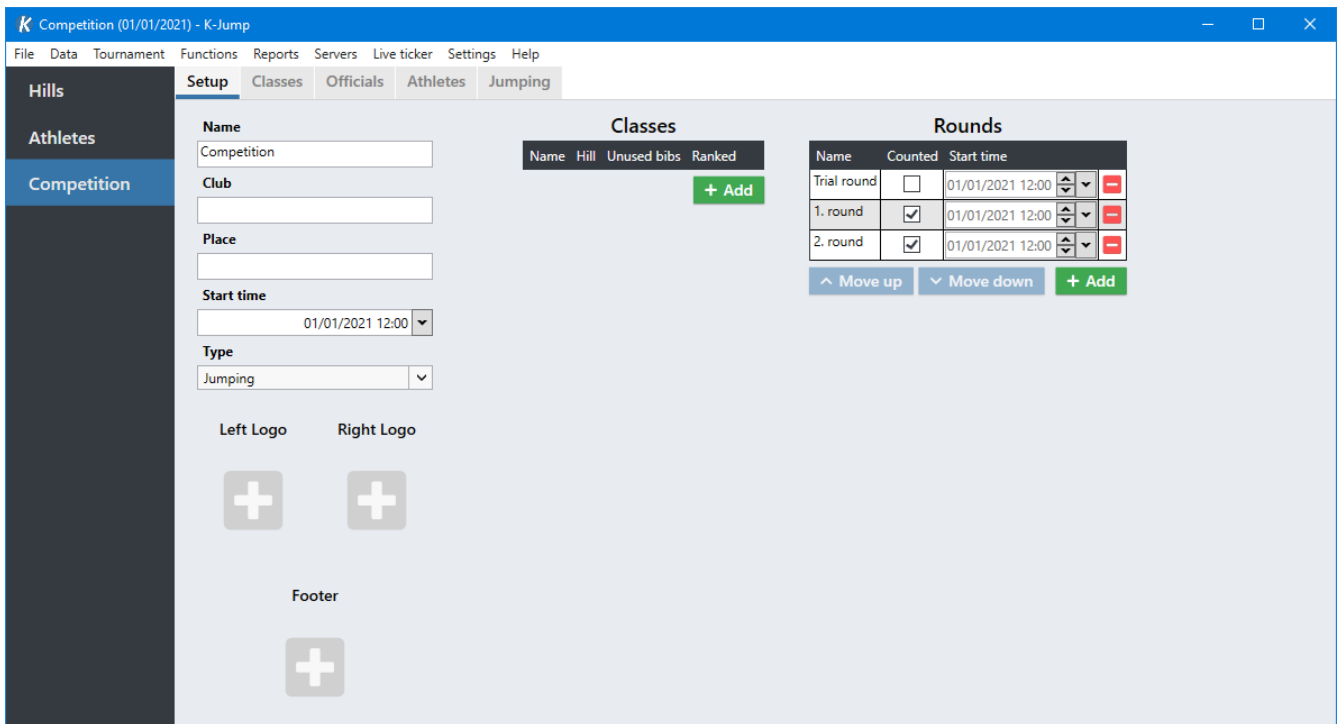


Enter the name and type of the competition. The supported types are *Jumping*, *Nordic Combined* and *Teams*. The type and name can be changed after the competition has been created.



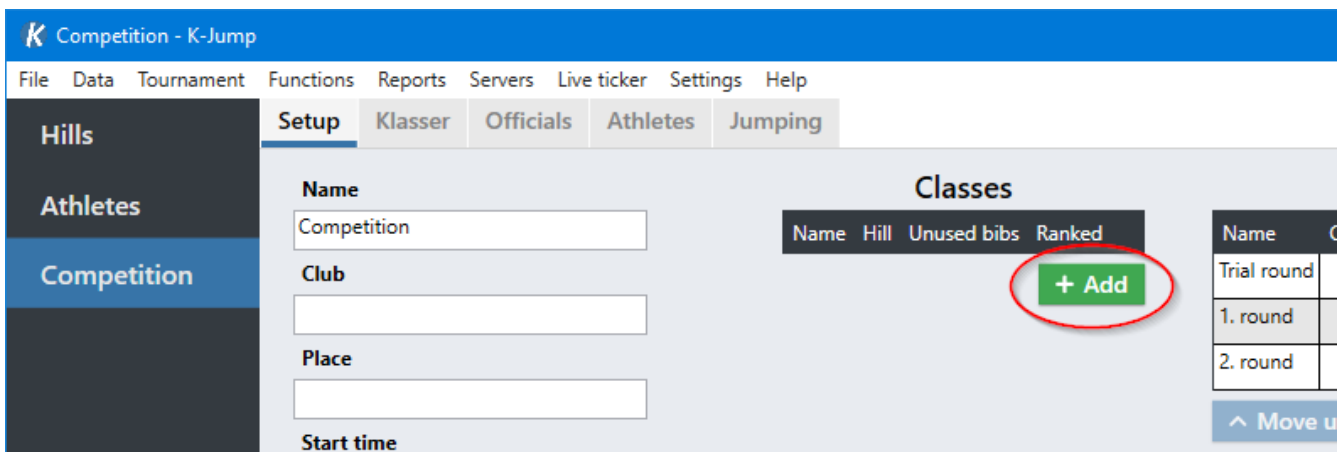
Details such as name and start time of the event can be entered in the **Setup** tab. This information will be shown in reports.

It is possible to add three different logos which will be shown in reports. See [Logos](#) for details.

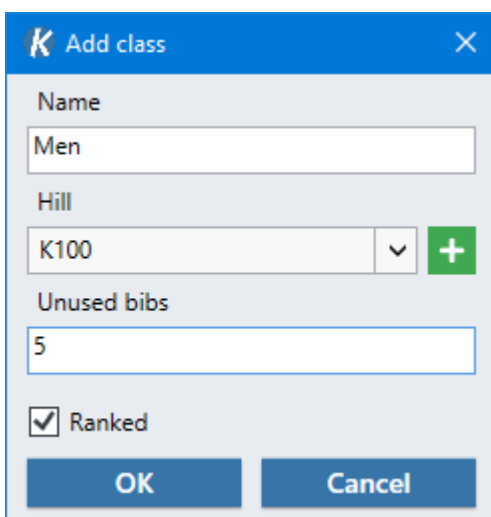


2.3. Classes

There can be multiple classes in a single competition. They are managed in the **Setup** tab.



Click [**Add**] to create a new class.



Enter the name of the class and select a hill.

Unused bibs

The number of bibs which should be reserved and left unused when assigning bib numbers. These bib numbers will be free to use for late entry athletes. See [Unused Bibs](#) for details.

Ranked

Unselect this option if athletes in this class should not be ranked.



The [+] button in the popup can be used to quickly create a new hill.

Competition (01/01/2021) - K-Jump

File Data Tournament Functions Reports Servers Live ticker Settings Help

Hills Athletes Competition

Setup Classes Officials Athletes Jumping

Name: Competition

Club: []

Place: []

Start time: 01/01/2021 12:00

Type: Jumping

Left Logo: [+] Right Logo: [+]

Footer: [+]

Classes				
Name	Hill	Unused bibs	Ranked	
Men	K100	5	<input checked="" type="checkbox"/>	[-]
Women	K100	5	<input checked="" type="checkbox"/>	[-]

[+ Add]

Rounds		
Name	Counted	Start time
Trial round	<input type="checkbox"/>	01/01/2021 12:00
1. round	<input checked="" type="checkbox"/>	01/01/2021 12:00
2. round	<input checked="" type="checkbox"/>	01/01/2021 12:00

[^ Move up] [v Move down] [+ Add]

Starting Order

The starting order of classes can be specified for each round in the **Classes** tab.

Competition (01/01/2021) - K-Jump

File Data Tournament Functions Reports Servers Live ticker Settings Help

Hills Athletes Competition

Setup Classes Officials Athletes Jumping

Select round: Trial round, 1. round, 2. round

Same class order for all rounds

Order all classes by rank

[Copy base gates from previous round]

Classes				
#	Name	Hill	Base gate	Starting order by rank
1	Men	K100	[]	[]
2	Women	K100	[]	[]

[^ Move up] [v Move down]

First select a round. Then select a class in the list, and use [**Move up**] and [**Move down**] to change the class order.

By default, changing the order in one round will change the order in all other rounds. To allow the starting order to be specified individually for each round, unselect *Same class order for all rounds*.

Additional Options

Base gate

The gate used as a reference when calculating gate points. This value must be set to enable gate compensation. See [Gate Compensation](#) for details.

Starting order by rank

If enabled, the starting order will be based on results from the previous round. See [Ranked Starting Order](#) for details.

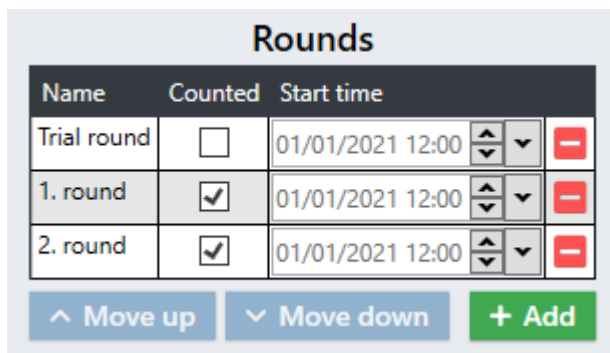
Shortcuts

Right-click class › Delete all results

Reset all results for the class in the selected round.

2.4. Rounds

When a new competition is created, three rounds will be added automatically: *Trial round*, *1. round* and *2. round*. These can be renamed or removed.



Name	Counted	Start time	
Trial round	<input type="checkbox"/>	01/01/2021 12:00	⬆️ ⬇️ -
1. round	<input checked="" type="checkbox"/>	01/01/2021 12:00	⬆️ ⬇️ -
2. round	<input checked="" type="checkbox"/>	01/01/2021 12:00	⬆️ ⬇️ -

⬆️ Move up ⬇️ Move down + Add

New rounds, such as training or qualification rounds, can be added by clicking **[Add]**. Use the buttons **[Move up]** and **[Move down]** to change the order.

Only rounds marked as *Counted* will count towards the final results. Trial and training rounds should normally not be counted.

Start times can be set individually for each round. These start times will be shown instead of the competition start time when creating reports.

2.5. Athletes

Athletes in a competition are managed in the **Athletes** tab. Athletes must be registered in the database before they can be added to the competition. See [Athletes](#).

Click **[Add]** to add an athlete to the competition.

K Competition (01/01/2021) - K-Jump

File Data Tournament Functions Reports Servers Live ticker Settings Help

Setup Classes Officials **Athletes** Jumping

Hills

Athletes

Competition

+ Add Assign bib numbers Search All

Bib	Class	Name	Club	District	Team	Nation	FIS code	Late entry	License
	Men K100	David Jones						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Elizabeth Smith						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	James Adams						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Jennifer Mason						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	John Baker						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Linda Patel						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Mary Hills						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Patricia Hills						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	Robert Clark						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	William Evans						<input type="checkbox"/>	<input type="checkbox"/>

K Add athlete

Athlete

David Jones

Class

Men K100

Bib number

Late entry

License

OK Cancel

Select an existing athlete and a class and click [**OK**].

Late entry

See [Late Entry](#).

License

See [License](#).

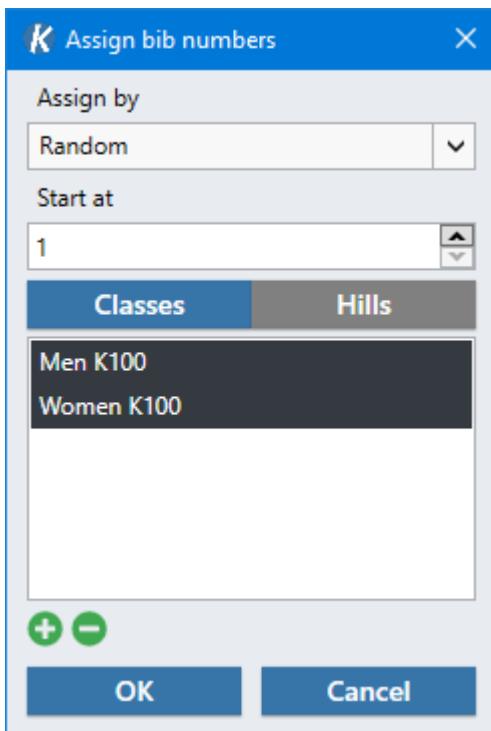
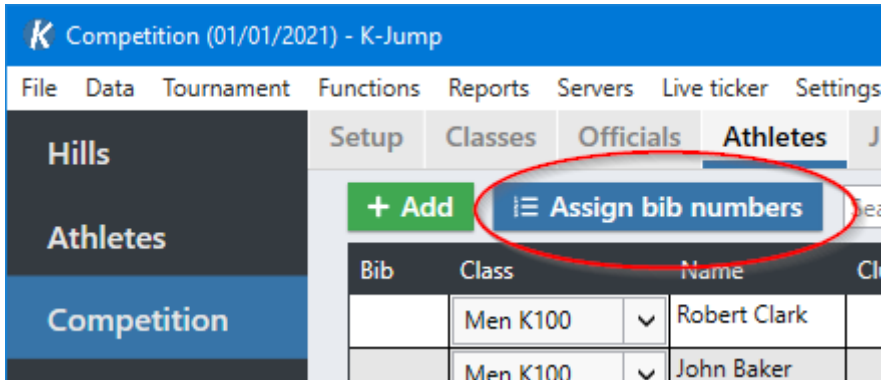


The [+] buttons in the popup can be used to create new classes or athletes in the database.

Assigning Bib Numbers

Bib numbers can be assigned automatically using the button [**Assign bib numbers**]. It is also possible to enter bib numbers manually in the table.

The first bib number assigned in each class will depend on the number of unused bibs in the class. See [Unused Bibs](#) for details.

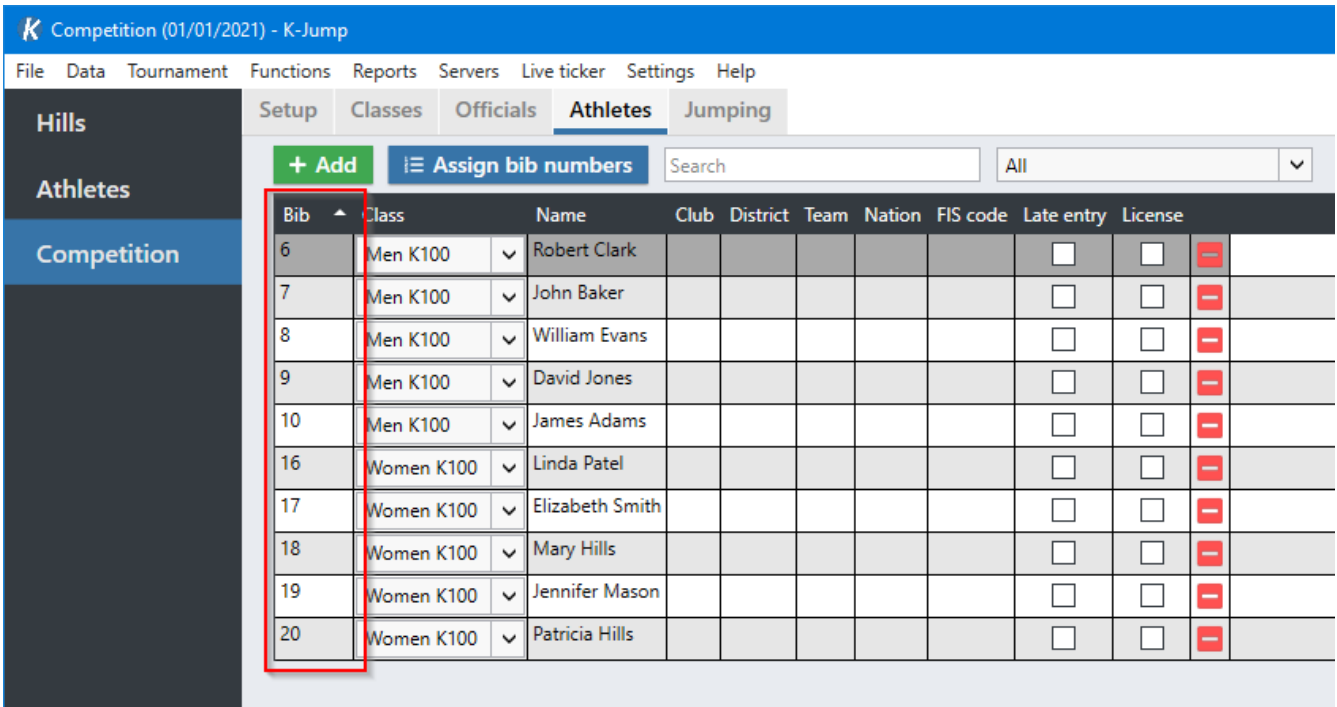


Assign by

The method to use when assigning bib numbers. Supported options are *Random*, *Name* and *Seeding*.

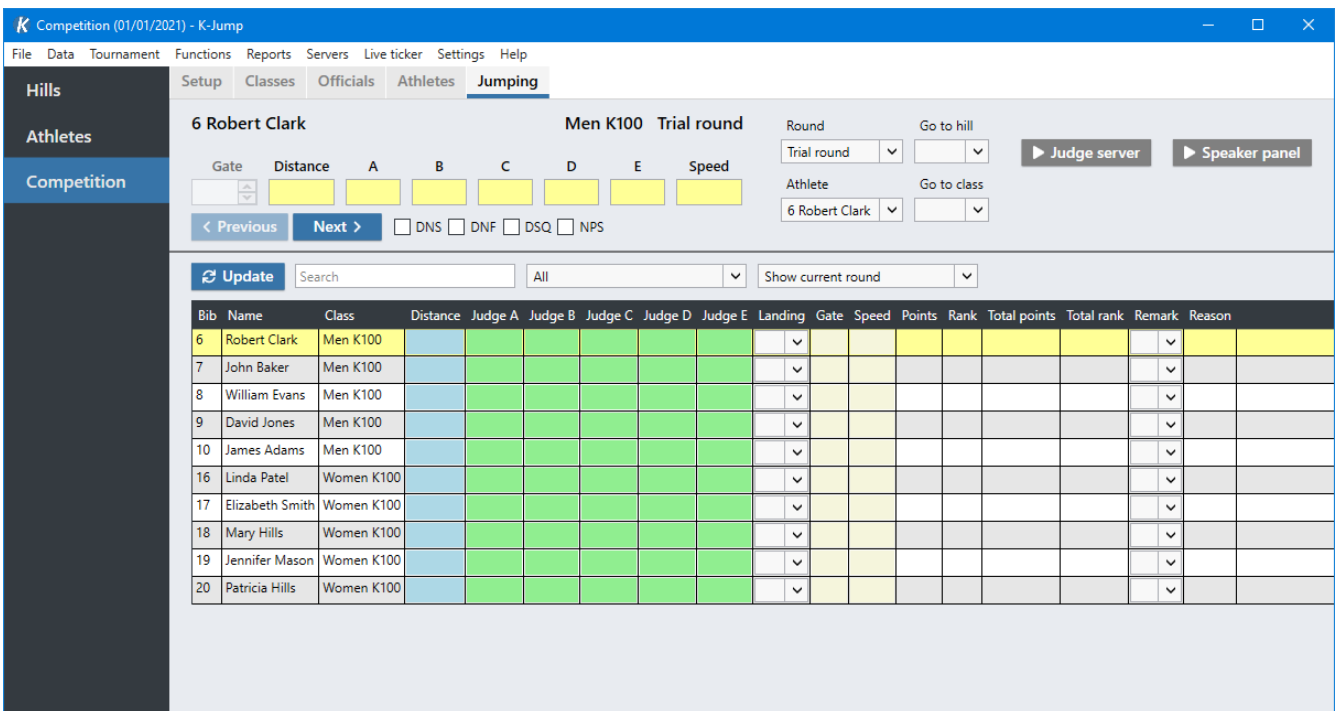
Start at

First bib number to be assigned.

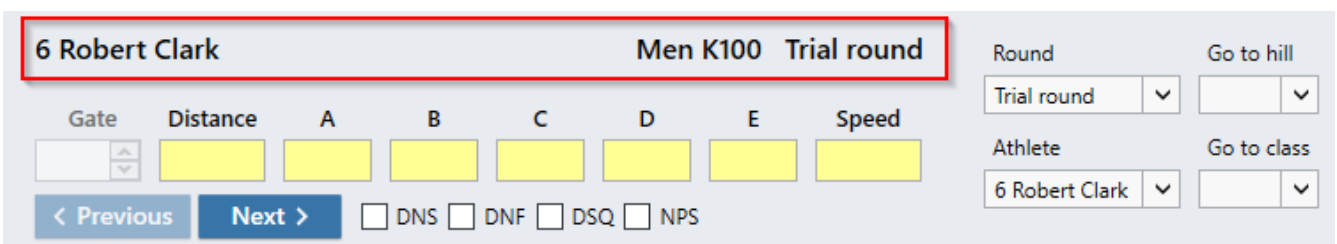


2.6. Jumping

Jumping results are registered in the **Jumping** tab.



Information about the current jumper, class, hill and round will be shown at the top.



The current round and athlete can be changed using the dropdowns on the right side, or by using the [**Previous**] and [**Next**] buttons.

Values can be entered in the fields manually, or with the [Judge panel app](#). DNS, DNF, DSQ and NPS can also be selected here.



Press **Enter** or **Shift** + **Enter** to quickly move to the next or previous athlete when editing results.



The setting *Style in trial rounds* should be disabled if style is not used in trial rounds.

Bib	Name	Class	Distance	Judge A	Judge B	Judge C	Judge D	Judge E	Landing	Gate	Speed	Points	Rank	Total points	Total rank	Remark	Reason
6	Robert Clark	Men K100	95.5	2.5	2	2	2.5	1.5				105.4	5	213.7	5		
7	John Baker	Men K100	108	3	2	1.5	2.5	1				128.4	1	240.0	3		
8	William Evans	Men K100	100.5	5.5	4.5	5	4	4.5				106.9	4	213.8	4		
9	David Jones	Men K100	106.5	5	4	3	4	5				118.7	3	242.8	1		
10	James Adams	Men K100	103.5	2	2	0.5	0.5	1				122.8	2	240.7	2		
16	Linda Patel	Women K100	98	1	2	3	2	3				109.4	3	203.3	5		
17	Elizabeth Smith	Women K100	90.5	1	0.5	2.5	2.5	2.5				96.9	5	204.0	4		
18	Mary Hills	Women K100	92	2.5	2	1	2.5	2				99.1	4	223.8	2		
19	Jennifer Mason	Women K100	98	2.5	2.5	1	2.5	1.5				109.9	2	226.1	1		
20	Patricia Hills	Women K100	107	5	2.5	4.5	2	4.5				121.1	1	220.1	3		

Chapter 3. Data

3.1. Hills

Meter value

The following lookup table is used to suggest meter values when creating new hills:

K-point	1-19	20-24	25-29	30-34	35-39	40-49	50-59	60-69	70-79	80-99	100-169	170-
Meter value	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.2	2.0	1.8	1.2

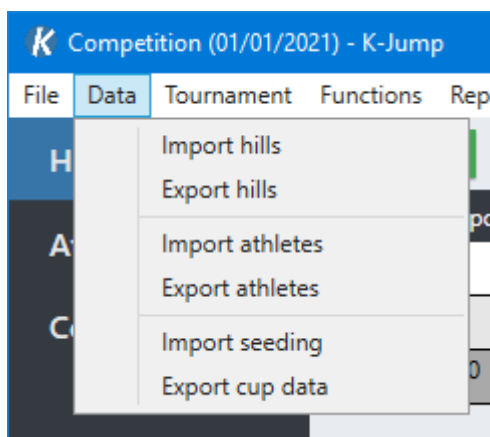
Points

Landing at the k-point normally grants 60 points. For ski flying hills with k-point ≥ 170 meters, 120 points are granted.

3.2. Import and Export

Both hills and athletes can be imported and exported using comma-separated value (CSV) files. These files can be modified in other applications such as Microsoft Excel.

Import and export functionality can be found under **Data** in the menu bar.



When importing data, you will be asked about overwriting existing data. This affects how already existing hills/athletes are updated. If you select *No*, only values which are blank/missing in K-Jump will be imported. If you select *Yes*, existing values will be overwritten.

Hill names are used for matching existing hills. FIS codes and athlete names are used for matching existing athletes.

Chapter 4. Ski Jumping

4.1. Athletes

Bib	Class	Name	Club	District	Team	Nation	FIS code	Late entry	License
	Men K100	David Jones						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Elizabeth Smith						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	James Adams						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Jennifer Mason						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	John Baker						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Linda Patel						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Mary Hills						<input type="checkbox"/>	<input type="checkbox"/>
	Women K100	Patricia Hills						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	Robert Clark						<input type="checkbox"/>	<input type="checkbox"/>
	Men K100	William Evans						<input type="checkbox"/>	<input type="checkbox"/>

Late Entry

Athletes marked with *Late entry* will be assigned the first available bib numbers in their class.

License

Marking an athlete with *License* means they have paid a participation fee. This will be visible in some reports.

Unused Bibs

The number of unused bibs specified in the class list in the **Setup** tab affects how bib numbers are assigned. Before bibs are assigned to athletes in a class, the corresponding number of unused bibs for that class will be skipped.

For example, if a class has 5 unused bibs, the first athlete will be assigned bib number 6. The first 5 bibs will be reserved for athletes potentially being registered later.

Shortcuts

Right-click › Show athlete

Navigate to athlete data.

Right-click › Replace athlete

Replace athlete keeping the results.

4.2. Officials and Judges

Information about officials and judges can be entered in the **Officials** tab.

This information is hill-specific, and will be shown in reports. Use the [**Copy**] and [**Paste**] buttons to copy information between hills.

Designation	Name of person	Jury
Chief of competition	Charles	<input type="checkbox"/>
Coordinator	Christopher	<input type="checkbox"/>
Race director	Daniel	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Judges
5
Judge A
Matthew
Judge B
Anthony
Judge C
Donald
Judge D
Mark
Judge E
Paul

Style Modes

The *Judges* dropdown specifies the number of judges in the competition.

5 judges

Normal judging. The highest and lowest style points will not be counted.

3 judges

All three style points are counted.

1 judge

Single style point which will be multiplied by 3.

Distance only

No style points.

Landing

Alternative to style judging. See [Landing Judging](#).

4.3. Ranked Starting Order

By default, athletes start in the order of their bibs. The starting can also be based on results from the previous round, meaning the athletes with the most points will start last in the round.

To enable this behaviour, select *Starting order by rank* in the class list.

The screenshot shows the 'Classes' tab in a software interface. On the left, there is a 'Select round' dropdown menu with 'Trial round', '1. round', and '2. round' (selected). Below it are two checked checkboxes: 'Same class order for all rounds' and 'Order all classes by rank'. A blue button 'Copy base gates from previous round' is at the bottom left. On the right, a table titled 'Classes' has columns: '#', 'Name', 'Hill', 'Base gate', and 'Starting order by rank'. The table contains two rows: '1 Men K100' and '2 Women K100'. Both 'Starting order by rank' checkboxes are checked and circled in red. Below the table are two buttons: '^ Move up' and 'v Move down'.



This option is not available for unranked classes.

4.4. Gate Compensation

Setup

To enable gate compensation, base gates must be entered in the **Classes** tab. Base gates can be set individually for each class in different rounds.

A *gate factor* must also have been registered for the corresponding hill in the **Hills** menu. This value is multiplied with the gate difference to calculate gate points.

Automatic Gate Input

When jump data is entered in the **Jumping** tab, the gate is automatically set to the gate of the previous jump. The base gate is used for the first athlete.

Ignore Gate Points

Gate points can be ignored manually for specific jumps. This is done by right-clicking the gate input field and selecting *Ignore gate points*. The color will change to red, indicating the gate being ignored. The gate value will be crossed out in result lists. Right-click again to stop ignoring.

4.5. Qualification

The number of qualified athletes can be selected in the **Classes** tab.

Classes

#	Name	Hill	Base gate	Qualified	Starting order by rank
1	Men	K100		30	<input checked="" type="checkbox"/>
2	Women	K100		All	<input checked="" type="checkbox"/>

Qualification can be used in multiple rounds. For example in the first round after a qualification round, and in the 2. round.



Qualification must be enabled in [settings](#).

Qualification is not available for unranked classes.

4.6. Jumping Tab

Results

The results overview can be filtered to show results for the current class only, or for a specific hill or class. All results are shown by default.

6 Robert Clark Men K100 Trial round Round: Trial round Go to hill: []

Gate: [] Distance: [] A: [] B: [] C: [] D: [] E: [] Speed: [] Athlete: 6 Robert Clark Go to class: []

 DNS DNF DSQ NPS

 Search: [] All Show current round

Bib	Name	Class	Distance	Judge A	Judge B	Judge C	Judge D	Judge E	Landing	Gate	Speed	Points	Rank	Total points	Total rank	Remark	Reason
6	Robert Clark	Men K100	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
7	John Baker	Men K100	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]
8	William Evans	Men K100	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]

Two different view modes are available:

Show current round

Show results for the current round only.

Show all rounds

Show results for all rounds.

Shortcuts

Right-click athlete > Go to

Set the current athlete.

Ctrl+G

Enter bib and go to athlete.

Update

The [**Update**] button can be used to manually refresh the user interface and to recalculate results.

Chapter 5. Reports

5.1. Report Types

Club list

List of athletes grouped by club.

Team list

List of athletes grouped by team.

Nation list

List of athletes grouped by nation.

Start list

Ski jumping start list.

Results

Ski jumping results.

Text results

Ski jumping results in simple text format.

Judge list

A list where judges can write down style points. This can be used when typing in results manually.

Judge protocol

Judge protocol showing style point deductions.

Nordic Combined

Start list cross-country

Cross-country start list.

Results cross-country

Cross-country results.

Mass start

Total list mass start

Cross-country and jumping results.

Kombisprint

Start list lap

Start list for a single lap.

Results lap

Results for a single lap.

Total list kombisprint

Cross-country and jumping results.

Equipment control

Start list with crotch measurements

Start list containing crotch measurements.

Start list with body measurements

Start list containing body measurements.

5.2. Options

Multiple options are available for most reports. Some options are only available when required settings are enabled.

Signature

Add signature field at the bottom.

Start time

Show start time in header.

License

Show warning for athletes without license.

License for younger than 13

Also show license warning for athletes who are younger than 13 years old.

Show nation

Show nation instead of district.

Show combined

Show 'K' for combined athletes.

Unused bibs

Insert empty entries for [unused bibs](#). These can be filled in by hand.

Include DNS

Include DNS athletes.

Unranked order

Sort results by bib starting order instead of ranks.

Speed

Show speed in results.

FIS Code

Show FIS codes.

Vertical

Use alternative report layout.

Cross-country

Show tag numbers

Show cross-country tags.

Judge list

Show names

Show athlete names.

Other

Seeding

Show seeding values.



Seeding must be enabled in [settings](#).

Show remarks

Show remarks from all previous competitions.



Equipment control must be enabled in [settings](#).

Wind

Show wind values.



Wind must be enabled in [settings](#).

5.3. Logos

Logos can be selected in the competition setup. These will be shown in reports. K-Jump supports logos in the upper corners and a footer at the bottom of the page.

Go to the **Setup** tab, click the [+] icons in the logos area and select image files. Logos can be removed by clicking the remove button.



Right-click logo › **Save image** will export the logo to a file.



The recommended proportions for footer images are 76:10 (e.g., an image resolution of 760 x 100 pixels or similar).

Chapter 6. Features

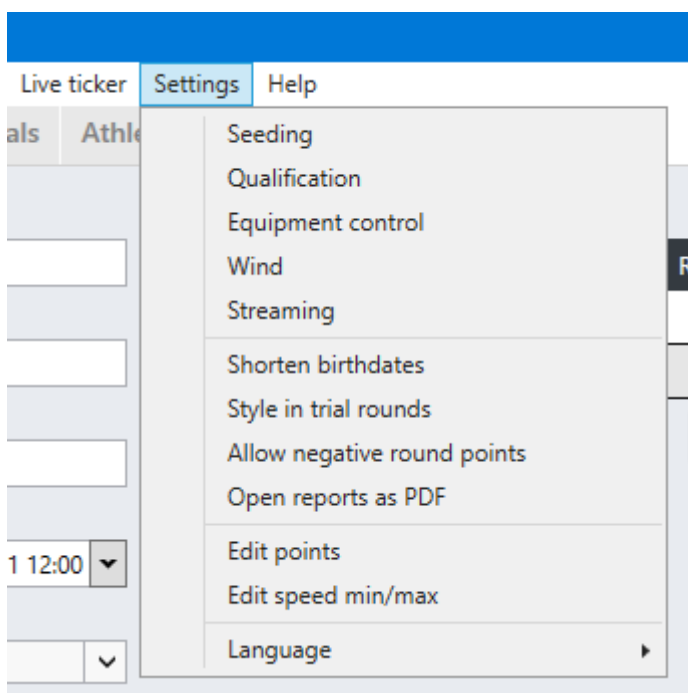
6.1. Settings

Advanced Features

Some of the more advanced features are disabled by default. These features can be enabled in settings.

Qualification

See [Qualification](#).



Other Settings

Shorten birthdates

Show year of birth instead of full birthdate in reports.

Style in trial rounds

Enable this setting if style is used in trial rounds. This setting affects to-beat calculation and the behavior of live ticker/speaker panel.

Allow negative round points

Allow athletes to receive negative points for individual jumps. When disabled, negative points will be replaced with zero.

Open reports as PDF

Open reports directly as PDF files instead of using the built-in report viewer.

Fix name wrapping in reports

Cut middle names when athlete names are too long to fit in reports.

Edit points

See [Landing Judging](#).

Language

User interface language. This setting also controls the default language used in live ticker and speaker panel.

6.2. Database

K-Jump stores all data in a database file located at "*C:/Users/%username%/Documents/K-Jump/K-Jump.sdf*". This file can be found by selecting **File** › **Show database** in the menu bar.

The database is automatically backed up when updating K-Jump to a newer version. Backups are stored in the folder "*C:/Users/%username%/Documents/K-Jump/Backups*".

Additional backups can be created manually by copying the database file, or by selecting **File** › **Backup database** in the menu bar. To restore the database, select **File** › **Restore database**. This can be useful when transferring data from one computer to another.

6.3. Logs

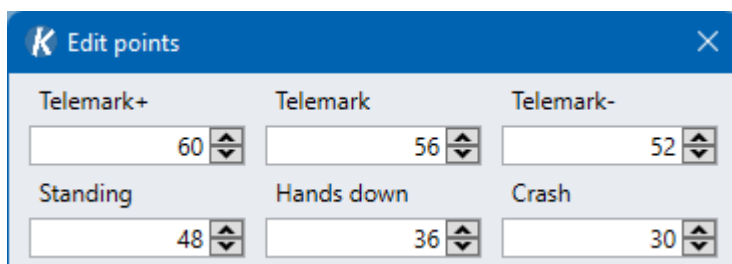
Logs can provide useful information when troubleshooting problems. They are stored in the folder "*C:/Users/%username%/Documents/K-Jump/Logs*", and can be found by selecting **Help** › **Show log**.

6.4. Landing Judging

Landing judging is an alternative to traditional style judging. Instead of style points, athletes are given points based on how they land.

The following landing types can be selected for each jump: *Telemark+*, *Telemark*, *Telemark-*, *Standing*, *Hands down*, *Crash*. Points are given based on the landing type.

These points can be customized in **Settings** › **Edit points**.



6.5. Missing Bibs

Bib numbers which have been lost, or are unavailable can be registered to be skipped when assigning bib numbers. There are separate lists for ski jumping and cross-country.

To register missing bibs, select **Functions › Missing bib numbers - (jumping / cross-country)**.

Chapter 7. Judge Panel App

The judge panel app can be used as an input panel for judges during competitions. It can be installed on tablets and smartphones.

7.1. Installation

The app is available on Android, iOS, and Windows.

[Download for Android](#)

[Download for iOS](#)

[Download for Windows](#)

7.2. Configuration

K-Jump Server/PC

Make sure that the K-Jump server and devices are connected to the same network.

Go to the **Jumping** tab and press [**Judge server**] to start. The server IP address will be shown below the button. The address can also be found by opening Command Prompt and entering `ipconfig`.

App

Launch the app and press the button in the top right corner to open settings.

Select a judge mode and enter the IP address of the K-Jump server. Press anywhere outside the popup to exit settings. The settings button should turn blue when connected to K-Jump.

7.3. Modes

A, B, C, D, E

Style judging.

Landing

Alternative landing judging.

Distance

Input panel for distance.

Speed

Input panel for speed.

Equipment

Equipment control.

Measurements

Body measurements registration.