



BSB Score

User Manual

Version 1.7.7 · © 2026 Calogero Morello

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1. About BSB Score

BSB Score is the digital scoring log for archers. The app documents training and competition units, automatically generates scoresheets, and analyzes the recorded data – from simple key figures to fatigue, recovery, and spread analyses.

It supports both freely configurable Special Formats and competitions under World Archery rules (WA Outdoor, WA Indoor).

Since version 1.7, the app distinguishes two roles: as an Athlete, you record only your own units. As a Coach, you can additionally record for athletes you supervise, or receive and manage their shared units.

- All data stays local. There is no cloud connection and no user account – all recordings remain exclusively on the respective device.
- Bilingual. The app automatically follows the system language (German/English) and can be switched manually in Settings at any time – no restart required.

The app is organized into four areas, reachable via the bar at the bottom of the screen: Record, History, Analysis, and More.

2. Getting Started

2.1 Enter your personal details

Under “More” → “Profile” you can enter first name, last name, birth year, club, and competing nation. Birth year is required (needed, among other things, for age class assignment). The competing nation defaults to “Germany” but can be freely changed from a complete country list – it also serves as the suggested country when creating a new training/competition location.

2.2 Choose a role

Also under “More” you can switch between the “Athlete” and “Coach” roles – changeable at any time. The Coach role unlocks additional features: person selection before recording, an athlete list, and name/club filters in History and Analysis.

2.3 Set the season start

Under “More” → “Presets” you can set the start of the sporting year (default: October 1). This value is used for the “Sport year” filters in Analysis.

2.4 Manage Training/Competition Locations

Under “More” → “Locations” you can create, edit, and delete training/competition locations with a name, full address, and optional coordinates – including a map preview. On first install (or when first loading this update, if the stored club contains “Bietigheim”), three club locations are already pre-filled, but freely editable.

3. Recording

The “Record” tab is the starting point for every new session.

3.1 Who is this session for? (Coach role only)

With the Coach role active, a person picker appears before mode selection: “Myself”, up to 5 favored athletes right after, then all remaining athletes alphabetically.

3.2 Choose a mode

- Special Formats – end size (3/6 arrows), distance, and target size are fully free.
- WA Outdoor – 2 × 36 arrows in ends of 6, distance 15–70 m, targets 80 cm spot/80 cm/122 cm.
- WA Indoor – 2 × 30 arrows in ends of 3, distance 15/18 m, targets triple spot/40/60/80 cm.

3.3 Recording type: Shot Group or Score Entry

At the top of the recording screen you can switch between two types. Shot Group: tapping the target places an arrow, a loupe appears above your finger showing magnified rings, already-placed hits, and a clearly visible crosshair – on a clear miss the loupe turns entirely white. Score Entry: pure score entry without the target face.

3.4 Unit Type / Location (optional)

Another expandable section above Conditions lets you mark a unit as Training or Competition and assign it a training/competition location. The location is chosen space-savings via a dropdown menu from already-maintained locations; a new location can be created directly with a full address and map preview. Once a location is selected, a small map preview appears below it automatically (zoomable and pannable, with a toggle between map and satellite view). Like Conditions, this selection belongs to the whole unit and can be changed at any time – including afterwards in History.

3.5 Conditions (optional)

Directly above “Previous ends” you can expand a “Conditions” section – collapsed by default, so normal recording stays compact. There you can tap to select any number of tags for Physical, Concentration, Light, Wind, and Weather (e.g. “Tired”, “Gusty”, “Variable Light”). The selection belongs to the whole unit, not a single end, and can be changed at any time – including afterwards in History.

3.6 Screen Stays Awake

During recording, as well as when viewing or editing a single end, the screen no longer automatically locks – useful while aiming, when looking at the display for a while without touching it. Once the respective view is left, the normal behavior set in the device settings applies again.

3.7 End Detail View

The magnifying glass icon (view) or pencil icon (edit) next to “Previous ends” opens the detail view of a single end. With multiple hits, the grouping circle and density area can be shown/hidden individually there – the app remembers the last-used setting for next time. By default, only the grouping circle is active.

Test feature: at the bottom of the end detail view there are additionally “Previous End”/“Next End” buttons, to quickly browse through the ends already recorded for the same unit without returning to the list each time. Edit mode is preserved when switching.

4. History

History shows all recorded units as a list, newest first.

4.1 Filters

The filter icon lets you narrow down by mode and year. Once data from more than one person exists, a person filter row appears as well.

4.2 Unit details

Tapping a unit opens the complete scoresheet, directly below it the “Unit Type / Location” and “Conditions” sections (if set, or to add them afterwards), and all individual ends.

- Change person – reassigns the entire unit to a different person afterwards.
- Delete – removes the entire unit after a confirmation prompt.
- Print / Share – prints or sends the unit as a file for import into another BSB Score app.

5. Analysis

Analysis is organized into up to three tabs: “Charts” (always available), “Analyses”, and “Scoresheet” (the latter two only when a single unit is specifically selected).

5.1 Charts

- Key figures – overall average, ends, X hits, arrows, misses (M), best end.
- Shot group – with a grouping circle and/or an experimental density area (kernel density estimate).
- Unit Type / Location – for a specifically selected unit, shown right between the shot group and score distribution, if set, including a map preview of the selected location.
- Conditions – for a specifically selected unit, shown right between the shot group and score distribution, if any are set.
- Score distribution – bar and pie chart of score frequency.
- Progress over time – three tappable cards (current month, sport year, two sport years) with a trend line; tapping opens a full-screen detail view (indicated by the magnifying glass in the top-right corner).
- Training volume (test) – shows the number of arrows shot over a selectable period (current/last month, this/last year), also tappable for the detail view.

Grouping circle vs. density area: The grouping circle draws a single circle around all hits (center = average position, radius = distance to the furthest hit) – simple, but a single outlier inflates the whole circle and shifts the center. The density area instead shows several color bands indicating where hits actually cluster most densely – a single outlier barely affects it. In short: grouping circle = simple overview, density area = a more precise look at where hits actually concentrate.

5.2 Analyses (only for a specifically selected unit)

- Fatigue analysis – average value across four segments of the unit, plus a fatigue effect.
- Recovery after mistakes – recovery rate and error continuation.
- XY analysis – horizontal and vertical spread of hits in millimeters.

5.3 Filters

Mode, time range, distance, target size, and – with multiple people – person and club can be narrowed down. There is also a “Conditions” filter: the first row selects a category (All/Physical/Concentration/Light/Wind/Weather), the second row shows that category's specific, multi-selectable tags. Multiple selected tags are combined with OR (e.g. “Gusty” OR “Steady Wind”), but combine with AND with the other filters. Two further filters, “Unit Type” (Training/Competition) and “Location”, round off the filter block.

Under “More” → “Presets” each of these nine filters can be turned off so it no longer appears as a filter row in Analysis at all – either permanently set to “All” or to a fixed value you choose (e.g. always “WA Outdoor”). If one

or more filters are hidden this way, a hint appears in Analysis showing which filters are affected and what fixed value they use.

5.4 PDF export

The share icon lets you export the current analysis as a multi-page PDF report, including every chart (in detail-view style), unit type/location (including full address and a map snippet) and conditions (both for a specifically selected unit), and – for a specifically selected unit – fatigue, recovery, XY analysis, and scoresheet.

6. More

The “More” area is organized into four tabs.

- Profile – first name, last name, birth year, club, competing nation, role, language.
- Presets – season start, age class management (Coach role only), and the ability to turn each of the nine Analysis filters on/off with an optional fixed value.
- Athletes (Coach role only) – manage supervised athletes, up to 5 can be favorited.
- Locations – manage training/competition locations with name, address, coordinates, and a map preview.

7. Sharing Between Coach and Athlete

A single unit can be sent as a file to another person via the share icon. The transfer uses the operating system's own share feature (AirDrop, email, messaging apps).

A coach only ever receives data that an athlete has actively and deliberately sent via the sharing feature – there is no automatic or hidden data collection.

8. Privacy & Data Security

BogenSport Bietigheim e.V. develops and publishes BSB Score on the App Store. The app is publicly available there and can be downloaded and used by anyone worldwide – not just members of our club.

BSB Score works exclusively locally on the respective user's device. There is no server and no cloud connection through which data would be transmitted to us or to third parties. This means: BogenSport Bietigheim e.V. never receives, sees, collects, or processes any data that a user enters into the app. We are not a “controller” under the GDPR with respect to this data, since we have no access to it whatsoever and decide neither the purposes nor the means of this processing – that is done exclusively by the person using the app on their own device.

Wherever “processing” is mentioned below, this refers to processing that the user carries out themselves on their own device – not processing carried out by us.

App Provider

BSB Score is developed and provided on the App Store by: BogenSport Bietigheim e.V., 1st Chairman / Head Shooting Master Calogero Morello, c/o Beethovenstrasse 3, 74369 Löchgau, Germany. Phone: +49 (0)156 79394083. Email: [oberschuetzenmeister\(at\)bogensport-bietigheim.de](mailto:oberschuetzenmeister(at)bogensport-bietigheim.de)

Core Principle: No Server Infrastructure of Our Own

BSB Score is deliberately operated without a server of its own and without a cloud connection. All data arising within the app remains exclusively local on the respective device.

The only exception is the built-in sharing feature: if a person actively uses it, the transfer takes place exclusively via the operating system's own, self-selected sharing feature (e.g. AirDrop, email, messaging apps) directly to the recipient chosen by that person. Here too, we do not operate a transfer channel of our own and gain no knowledge of the data shared.

What BSB Score Processes

BSB Score is used for digitally recording and evaluating training and competition results (score per arrow, optionally the hit position on the target face) and, with the Coach role enabled, for managing a list of supervised athletes (name, club, birth year) maintained by the user themselves.

All data is stored exclusively locally on the device of the person using the app. The app also offers a sharing feature that lets an athlete send a single recorded training unit as a file to another person – such as their own coach. A shared unit contains the name, club, and, if provided, birth year of the person who recorded the unit, as well as all ends of that unit with scores, timestamps, and – depending on the recording type – the exact hit position.

Important: a coach only ever receives data that the athlete themselves has actively and deliberately sent via the sharing feature. There is no automatic, hidden, or non-consensual data collection by the coach. If a coach subsequently keeps an athlete's data permanently in their athlete list, they are responsible for this themselves – where this happens within the coach-athlete relationship at a club, any requests for access or deletion should be directed to the respective coach or their club.

Minors

Since BSB Score can also be used by or in relation to minors, particularly in children's and youth programs, we specifically note: anyone sharing or receiving a minor athlete's data via the sharing feature should ensure that the consent of a parent or legal guardian has been obtained.

If use takes place within the organizational context of a club (e.g. a club coach training club members), this consent can reasonably be organized by the respective club, for example as part of the consent form already customary in club operations.

Note for review: please have the exact approach confirmed by the data protection officer.

Rights of the Data Subject

Anyone whose data has been stored by another person (e.g. a coach) via BSB Score on that person's own device has the right to access, rectification, and deletion of that data. Since this data resides exclusively locally with that person and is not accessible to us, such requests should be directed to that person directly – in a club context, to the respective coach or the club as the organizational point of contact.

Data Security

Since all data is stored exclusively locally on the respective device, the security of that data depends significantly on how well that device is secured. We recommend that all users, especially those storing athlete data, secure their device with a passcode, Face ID, or Touch ID.

Changes to This Privacy Notice

We reserve the right to adapt this privacy notice as the app's functionality changes or as required by legal or regulatory requirements. The current version can always be found on our website.

Contact

If you have questions about this document or the app, you can reach us at [oberschuetzenmeister\(at\)bogensport-bietigheim.de](mailto:oberschuetzenmeister(at)bogensport-bietigheim.de).