

Quick guide

W - competition software for clubs

M - the Android training app for shooters

Developed by a sport shooter for sport shooters

Working procedures

01 Installation and updates

02 Demo and full activation

03 An existing older full edition

04 Connecting W1 and W2

05 A competition from start to finish

10 Backup and restore

11 Move a V6 licence to a new computer

12 Help and safe updates

Activate W with your club and logos

Additional workstations in the browser

Personalise the startup screen

Update W conveniently and safely

01 Installation and updates

Extract the entire ZIP to an accessible folder with a short path. Start the clearly named W1 installer for workstation 1 / server, or W2 for further Windows computers. Windows with .NET Framework 4.8 is required. Install updates from the newer demo package over the existing installation. Data, settings, installation ID, WLIZ, role, client count and original demo deadline are retained. Back up first. Do not install in OneDrive or Desktop.

02 Demo and full activation

The 45-day demo includes W1 and 2 additional clients, 3 workstations in total. Windows W2 and browser access share these 2 places. Import the appropriate LZM WLIZ on W1 only for full activation. B-Software configures +0 to +10 clients. W2 has no separate WLIZ. Updates retain an existing full version and do not restart the trial. 45-day demo with W1 plus 2 W2 places. Full activation through W1; updates retain existing data and rights.

03 An existing older full edition

An older master or customer full edition without a matching WLIZ is not simply overwritten. W-Setup.cmd offers a confirmed preparation: a new, initially empty W is installed under C:\B-Software\W while the old full edition stays completely unchanged. Read the new installation ID in the new W and send it to B-Software. The old W need not generate any code. LZM supplies a new WLIZ; import it in the new W, then restore only the old data backup. Do not copy old device or license files. Later updates of this activated W preserve activation. An older internal version is not installed over a newer one.

04 Connecting W1 and W2

W1 can work locally on its own. In W-00-00-84 Multi-user operation, This computer acts as server: YES starts the server and NO stops it. A new installation starts with the server off; a saved choice survives restart and update. An existing saved YES is retained. Switching off is refused while Windows or browser W2 clients are connected. Data, licence and the W1 role remain unchanged. A valid demo can also enable the server. W2 remains W2. For additional places, enable the W1 server and use its workstation code. W2 entry stops on disconnection; rights held in memory for up to 60 minutes do not allow offline use. Resume after confirmed reconnection. The club administrator changes this on W1; save open entries first. With the server off, the header shows Local single workstation.

Windows W2: in W-00-00-84, Sign in to server, choose Connect or Disconnect. A deliberate disconnection survives restart until you choose Connect. W2 stays in its restricted dashboard without local write rights; W1 keeps running. Unexpected network loss still triggers automatic reconnection. Existing installations without a saved choice retain their previous startup behaviour. Save open entries to W1 before disconnecting; after network loss, reconnect first to do so.

05 A competition from start to finish

Check the club and participants, create the competition and select the discipline and scoring class. Check date, location, series, shot count and scoring method. Assign participants and starts. Enter each participant's results and correct missing or implausible values before approval. Rankings must follow the selected scoring method; not every discipline can be compared by a simple ring total. Before printing, PDF, CSV or certificates, check the preview, participants, class and order. Create a current backup when finished. The standard manual illustrates the established core procedures.

10 Backup and restore

Before an update, import, license move or major change, create a full backup and check the saved state. Keep an additional backup outside the program folder. Do not manually remove DATEN, LIZENZ, ROLLE, DOKUMENTE, PROTOKOLLE or INSTALLATION under C:\B-Software\W. Updating documents does not back up data. Before restoring, back up first, check the target and contents and read the supplied import notices. W-Entfernen.cmd removes the program but retains data, license and demo period. An automatic return to the previous version is not included in this build.

11 Move a V6 licence to a new computer

Back up available data. Install W on the new W1 and select Request device transfer under Activation and customer details. Send the new .lzmreq to B-Software; any existing deactivation proof is optional. After approval, import the new .wliz on the new W1, carefully restore the backup and reconnect W2. V6 does not require the old device. The previous V5 route with deactivation proof remains available. Offline operation provides no remote deactivation.

12 Help and safe updates

2.2.4 > 11.8 offers automatic checking, checking on request and the normal download. Startup checks are initially enabled and run at most once a day; downloading and installation each require your consent. Package source: <https://be-edvsysteme.de/b-software/updates/ww.zip>. See Update W conveniently and safely for details and the manual alternative. For support, keep the version display and exact error message ready.

Activate W with your club and logos

Your installation, data and existing rights remain in place.

1 Check details and logos on W1

Open Activation and customer details. Enter a club or first and last name; other contact details are optional. Choose up to two PNG logos and 0 to 10 extra W2 places.

2 Save a new request

Create a new request and save the .lzmreq. W adds the installation ID, details and logos in BS-LZM-REQUEST-2 format for the new BS-LIZENZ-6 licence.

3 Attach and send it yourself

Open WhatsApp to +49 175 1600 590. Attach the .lzmreq yourself and send it. Only then confirm I have sent the file in W. Opening WhatsApp alone sends nothing.

4 Open the received licence

Open the received .wliz on W1 or import it. W checks signature, product and installation ID. Check the club, logos, extra places and Full version active.

W2 is activated through W1 only. Import WLIZ files on W1 only. Windows and browser clients inherit its rights and share the purchased client allowance.

45-day demo with W1 plus 2 W2 places. Full activation through W1; updates retain existing data and rights.

Details and logo selection on W1

Person and contact

First and last name / Address (optional) / Email and telephone (optional) / Club OR first and last name required

Club, logos and W2

Club or organisation name / Other club contacts (optional) / Left / right logo (PNG) / Additional W2 places: 0 to 10

Check before sending

Check the club, person and logo previews. Each PNG may be up to 256 KiB. Either or both slots may be empty. Save the details, then create a new request. B-Software confirms the final assignment.

You send the attachment yourself

WhatsApp: +49 175 1600 590. Attach and send the .lzmreq yourself. The confirmation in W is not an automatic delivery receipt. Email is optional with no preset recipient. Configure the recipient agreed with B-Software first, then attach the same request yourself.

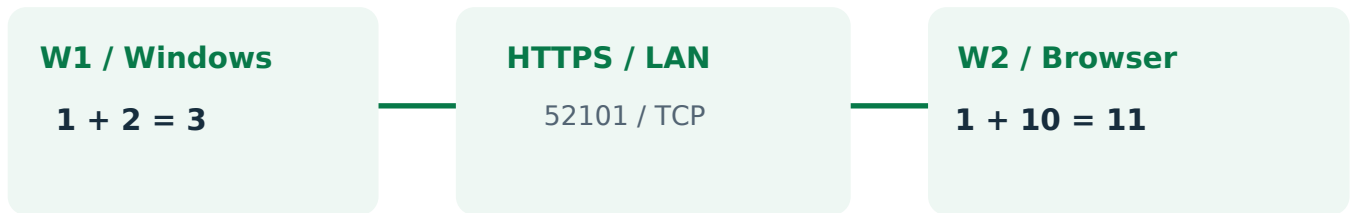
V6: fixed club and logos, editable contacts

BS-LIZENZ-6 binds the club and approved logos. Name, address, telephone and email remain editable in the customer profile. Contact B-Software to change the club or logos. Existing BS-LIZENZ-5 licences remain valid with their fixed name.

Explore W for 45 days

The demo contains no other club's data or logos. W1 plus two W2 places; Windows and browser places count together. Full version: 0 to 10 extra places. Import WLIZ on W1 only.

Additional workstations in the browser



- 1** W1 remains the complete Windows manager and workstation 1. Browser W2 access requires the server to be set to YES in W-00-00-84 Multi-user operation; with NO, W1 works locally only. The browser adds result entry and rankings. Administration, licensing and approvals stay on W1.
- 2** Connect both devices to the same local network. On W1 open W-00-00-84 > Browser access. Transfer the public server certificate (.cer), compare its SHA-256 fingerprint with W1 and only then configure trust on the client. Open the displayed HTTPS address. Enter a workstation name and the 16-character W1 workstation code. Do not blindly bypass an unknown certificate warning.
- 3** Use a supported modern browser. Internet Explorer is not supported. An older computer may be suitable if its operating system can still run a compatible browser. The browser device need not run Windows; W1 still requires Windows.
- 4** Choose the competition and participant, enter results and wait for confirmation that they were saved. W1 validates data and calculates scoring centrally. Stop entry when disconnected; resume only after reconnection is confirmed.
- 5** Demo: 45 days with W1 + 2 additional workstations, 3 in total. Full version: +0 to +10 depending on licence, up to 11 in total. Windows W2 and browser workstations share the allowance. Local operation needs neither internet nor a cloud account.
- 6** If connection fails, use "Set up network access" in the W1 browser dialog and confirm the Windows administrator prompt. The network profile must be Private. Access is limited to this program on the local network; keep the firewall enabled.

The activation guide is prominent in demo mode, hidden after valid full activation and shown again automatically if the actual licence state returns to demo. Disconnection or the end of the update period does not start a new trial.

Personalise the startup screen

W1: 2.2.1 > Intro. W1/W2: right-click the colour button > Intro. Also available in colour and language settings: Intro.

Startup colour: Same as program or a separate palette. Display duration: 5 to 10 seconds, initially 7. The startup colour button pauses picture, sound and time together while you choose. Both intros and their settings remain available; see Personalise the startup screen for details.

Applies from the next start. The selection is saved for this workstation.

Personalise the startup screen

Two intros and a personal appearance

On W1 open 2.2.1 > Intro; on W1 and W2 you can also right-click the colour button > Intro. Both intros remain available. A saved choice is retained; without a saved choice the target intro is shown. The new design displays two transparent Bangert crests and captions describing competition software for shooting clubs. The footer shows Version: followed by the W version actually installed. Also available in colour and language settings: Intro.

Choose a colour and take your time

Startup colour initially uses Same as program, following the program theme. Select a separate palette to give the startup screen its own colour. The small colour button on the startup screen opens the same selection. While this dialog is open, the picture, shot sound and elapsed time all pause together. After closing it, the preview continues from the same point. The setting is saved for this workstation.

Display duration and five shots

Display duration offers 5, 6, 7, 8, 9 or 10 seconds; the initial value is 7 seconds. The target animation has three pistol shots and two rifle shots, with five closely grouped hits. The fifth hit is at the lower right inside the 10-ring. Shot intervals and sound follow the selected duration. W opens one second after the last shot. Time spent in the colour dialog only extends the real waiting time. The W * M caption remains.

Update W conveniently and safely

Automatically look for a newer version

Automatically check for updates at startup is initially enabled. On startup, W checks for a newer signed release at most once a day. You can disable this setting. 2.2.4 > 11.8 Check for updates > Check for updates now starts a manual check at any time. W remains usable without internet access; a failed online check does not change the installed program.

Confirm downloading and installation

When a newer release is found, W shows its version number. Only with your consent does W download the complete ww.zip and verify its signature and contents. A second prompt asks for approval before installation. Save open entries, close subwindows normally and return to the main screen. If closing is cancelled, W stays open and the update is not installed.

Backup, installation and restart

After installation is approved, W closes normally, the existing state is backed up and the verified package is installed. W then restarts with the existing workstation role. Data, activation and the existing demo deadline are retained. Check the version display and a few known results afterwards. If an error occurs, follow the message and note the location of the backup and update log.

Browser download or a local package

The fixed download address is <https://be-edvsysteme.de/b-software/updates/ww.zip>. Download ww.zip in the browser opens your browser. You can also extract the entire ZIP, close W and run W1-Hauptrechner.cmd or W2-Zusatzrechner.cmd for the existing role. Check a local update folder detects packages you have prepared. Outside a properly installed copy of W, use this normal installation route.

Activate W with your club and logos

Your club and two logos in one request

W1 creates BS-LZM-REQUEST-2 for BS-LIZENZ-6. A club or first and last name is required; other contact details are optional. Two PNG logos can be embedded. Attach and send the .lzmreq to B-Software yourself. The approved organisation and logos are licence-bound; personal contact details remain editable.

Moving devices and retaining existing rights

For a V6 licence, select Request device transfer on the new W1 and send its new request. Existing deactivation proof is optional; the old device is not required. B-Software reviews and approves the move. Valid V5 licences, their fixed name and the earlier REQUEST-1 route remain supported. Updates retain data, rights and the original demo period.

M and W: select, review and transfer

Import selected M records

In M select training, competition or championship/tournament and the records to share. Deliberately transfer the SMX file. In W open M exchange and import: assign the shooter ID to a member, then check the preview and discipline. New records are added, higher revisions updated after review, identical revisions left unchanged and older ones rejected. Conflicting content or uncertain assignments require an explicit decision in the comparison. A backup precedes changes; withdrawals deactivate the affected entry.

Return results to M

In W open M exchange > Return export. Select exactly one shooter with a confirmed M ID and the required results. Results entered directly in W, corrections and withdrawals can also be returned in a personal SMX file. W results contain totals and the stored competition settings; individual shots are not invented. In M check the recipient and preview, then deliberately accept after backup. There is no automatic synchronisation.

Exchange limits: DQ/disqualified results and scoring where lower is better are not transferred. Resolve unsupported profiles first. A personal file belongs only to the selected shooter. Before club use, test a known example in both directions on the actual devices.

M and W: select, review and transfer

Progress: previous month and custom dates

The performance centre, personal progress and member comparison initially select the entire last completed calendar month. Choose 1, 3, 6 or 12 completed calendar months, or custom from/to dates for any longer period. Fixed ranges end on the last day of the previous month. The performance centre compares the immediately preceding block of the same number of calendar months; a custom range uses the preceding block of the same number of days. Example: in September, August versus July. Personal progress compares the first and last valid result within the selected range.

Import shared catalogues safely

In the catalogue centre view the shared official catalogue or deliberately import a signed update. W checks publisher, signature and revision; altered, invalid or older packages are rejected. Custom disciplines remain separate and uncertain assignments must be confirmed explicitly. A catalogue supplies profiles, not missing scoring logic. Assess different rule profiles separately.

OneDrive – data sync and backup

- 1.** Sign in to OneDrive on this PC with your Microsoft account and create a separate W folder.
- 2.** Choose that exchange folder here. Live W data files stay local.
- 3.** Alternatively enter your Microsoft username, password and full folder address <https://d.docs.live.net/YOUR16DIGITCID/Bangert/W>. Direct password sign-in is experimental; Microsoft may reject it. Success is reported only after an accepted request.
- 4.** Save settings and test the connection. Windows DPAPI binds the saved password to your Windows user and PC. Passwords never enter sync data or backups.

OneDrive – data sync and backup

5. Enable sync and backup separately; both start off. Turning sync off stops cloud access and preserves the last confirmed baseline. Local changes remain tracked. Re-enabling opens a comparison preview.
6. Preview the merged data. Independent fields merge; choose individually when both sides edit the same field or deletion conflicts with editing. Device time never chooses a winner. Only your confirmation applies data or writes to OneDrive. A local backup is written and read back before applying.
7. Create a dated backup or choose an existing backup for a restore preview. Confirmed restoration first creates a new local safety backup. Older backups are never deleted automatically.
8. Manage OneDrive on W1; W2 keeps its existing permissions. M/W exchange continues through existing verified import/export paths. Program updates come from the homepage and require your confirmation to install.

Data formats: review and confirm the transfer

5.5 in the exchange menu and 7.3 in the output menu open the same format dialog. It complements the existing exchange methods. The new member import is available only on W1 and a standalone workstation.

Four output formats

Members and the ranking of the currently open competition can be exported as an Excel workbook (XLSX), CSV, JSON or PDF. Review your selection and preview before sharing the file. A results file is not a complete backup. JSON: W-MEMBERS-1 / W-RESULTS-1.

Import member lists carefully

For XLSX and CSV, map the source columns to member fields. JSON is accepted only in the matching W member schema. The preview shows valid rows, missing details and possible duplicates. Explicitly decide which information to keep when conflicts occur.

Protective backup and final tap

A protective backup is created and verified before the confirmed change. Your final confirmation is required to modify the member database. If the underlying data changes between preview and import, generate a new preview.

Existing methods and clear limits

SMX at 5.1, CSV at 5.3/7.2, the Excel registration methods at 2.3/2.4, and catalog and licence methods remain available. Arbitrary PDF files cannot be imported as data sources. Ranking export and member import serve different purposes.

Club CSV is also checked

The existing club CSV import remains a separate method. The preview compares old and new values; changes and duplicates require individual decisions. Empty fields delete nothing. Personalized clubs remain protected. A full backup and the current data state are checked before final import.

Voice input: an optional extra

2.2.1 > 9.10 opens voice input. This optional extra is initially off and comes without guaranteed functionality.

Switch on and off

The switch in the voice dialog is saved permanently for this workstation. Enabling it does not start recording. W starts recognition only after you tap the microphone.

Preview first

Select a supported input field. Review the recognized text and insert it only with Apply. Until then, recognition remains a preview. Afterwards, the form retains its existing saving rules; voice input never submits a form automatically.

Cancel with two taps

The spoken word Abbruch highlights Cancel. Cancelling requires two deliberate taps. You can also discard recognition instead of applying unsuitable text. Cancelling discards only the voice preview, never a data record.

Windows and protected fields

Recognition depends on available Windows speech components, language packs, microphone permissions and devices. Passwords, licence details and other protected fields are excluded. Use normal input if suitable recognition is unavailable. A real device test remains necessary. A matching Windows recognizer must be installed for the selected language; there is no automatic cloud fallback.

11.7: Read how W developed

In Help, 11.7 presents development at three reading levels: Short, Overview and Milestones. I refers to the developer.

Brief

The early approach was simple: create competitions, enter participants and produce rankings. The earliest retained history entry describes this for W on 9 July 2026.

It grew into a Windows application for clubs, covering members, disciplines, results, certificates, backups, multiple workstations and file exchange with M. M remains the related Android app for personal training data.

W added optional OneDrive comparison, merging and backup. W adds a compact history, consistent version labels, four core file formats and switchable voice input as an extra without guaranteed functionality.

Overview

“I” means the developer here. Early dates come from the retained chronicle. Version numbering was reorganised several times.

The chronicle identifies evidenced versions. The earliest surviving history entry is not independent proof of the actual project start. A development record does not turn pending Windows, Microsoft or device tests into completed verification.

The quick, standard and complete guides remain available for your next task. All earlier chapters remain part of these documents.

M and W: file exchange and Wi-Fi

M and W exchange personal shooting results as SMX packages. Training, competition and championship retain their identities, revisions and historical rules. A total entered in W is never converted into invented individual shots.

File exchange remains available: M creates its approved package and W reviews and imports it. In W section 5.4, choose a shooter already linked to M and select results. Review and apply the personal W return package through W return import in M.

For Wi-Fi, both devices must use the same private network. In W section 5.6, select the appropriate local address and start the connection. Enter the address and six-digit code in M section 5.14 and connect. Guest networks may isolate devices.

Select the required results in M and send them to W. In W choose Review M package. New, changed, unchanged and conflicting records appear separately. Every conflict requires an explicit decision; missing records never delete other results.

A full local backup is created before import. W import is complete only after saving succeeds. Then select that same shooter's results as a W return package. Fetch it in M, review the preview, and apply with a fresh backup. W shows M's acknowledgement for this exact package.

Independent additions are retained. Neither device automatically wins when both change the same record. Repeated packages do not create duplicates. Restoring a full backup replaces data and does not merge two working datasets. Licences and demo start dates remain local to each device.

The Wi-Fi session ends after ten minutes or on closing. Network transfer alone never saves results. If a response is missing, check the backup and import log before sending again. The private network uses no external cloud.

Updates use the common /b-software/updates folder: ma.apk for M and ww.zip for W. Updating replaces the application while retaining existing data and activation. Every M installation requires an explicit tap and fresh backup; a retained verified candidate may be explicitly retried after an installation failure.

M opens and shares all four current marketing PDFs. Rotating an open PDF preserves the page, relative zoom and selected area. Installation and Wi-Fi exchange still need verification on your own devices.

W can be installed in a Windows folder of your choice on a fixed drive, USB drive or reachable network share. The package may stay on USB, SSD or NAS. Updates use that exact installation folder and first back up the complete existing contents; only PROGRAMM is replaced. Close every W instance using this installation first. A shared

lock file and transaction journal prevent a simultaneous start or incomplete replacement. A connection or write failure never switches to another data folder. After an interruption, close W, restore the connection and restart the verified update procedure. Personal activations remain device-bound; a network folder does not transfer a licence to another computer.

Find work functions and settings

The start page begins with frequently used work tasks. Master data, settings and administration are grouped below them. The following numbers identify start-page categories.

1 Work

- 1.1 Create and edit competition
- 1.2 Results and evaluations
- 1.3 Members, starts and registrations
- 1.4 M data, import and export
- 1.5 Print, PDF and CSV
- 1.6 Create certificates
- 1.7 Complete and back up competition
- 1.8 Invitations and club communication

2 Master data, settings and administration

- 2.1 Catalogue centre
- 2.2 Administration
- 2.3 Help and documentation

Permanent field IDs W-01 to W-11 and existing function numbers such as 5.6, 9.10 and 11.8 remain as technical and support references. They differ from the new category numbers. Visible functions still depend on workstation role, permissions and the saved menu selection.

Administration at a glance

2.2.1 Appearance, language and controls

Appearance, menu selection, voice input and intro.

2.2.2 Data, backup and exchange

Create or check backups, OneDrive and M/W on the same Wi-Fi.

2.2.3 Clubs, logos and communication

Club directory, logos, email/SMTP and coat of arms info.

2.2.4 System, licence and maintenance

Activation and licence, system maintenance, feature switches, updates and critical data management. Back up before critical changes.

Full version without a subscription

The purchased full version can be used indefinitely within its activated scope. There is no subscription or automatic contract renewal. An agreed update period does not limit continued use of the activated version. The 45-day demo, device binding and purchased number of additional workstations are unchanged; W2 receives its rights through W1.

With an active full version the section is called Customer details and licence management. Initial activation is not required again. The licence file and device transfer remain manageable there.

Coat of arms info

Coat of arms info is available beside the crest and under 2.2.3, with its explanation and usage notice. The caption reads Bangert-Software. Display does not permit copying, modifying or distributing protected graphics; third-party rights and uses permitted by law remain unaffected. The dialog contains the full notice.