



Bangert Software

User manual

VM-W · EN

VM-W. Try every media module with voice for 45 days. Afterwards your data, search, editing, export and backup remain available.

Media types

Choose the media types you want to use. At least one stays visible.

Hiding keeps your data. Full backups and data exchange include hidden media types.

Tape contents

Enter 1 or 2 films

The collection remains stored as one complete tape. You can add individual clips later.

Books / comics

A catalog result becomes an owned item only when you save it.

Series, Edition / release, Volume label, Numeric sort number, Volume type, Author, Editor, Publisher, Binding, Condition, ISBN

Capture photos and recognize data

Front, back or both. Text and barcodes are recognized on your device. Catalog searches need an internet connection.

Review the recognized details and correct them if needed.

Search the web for a cover

Compare title, artist, year and release. The chosen image is saved with your item.

Existing details are kept. Please choose a lead actor from the cast yourself.

LPs / singles / maxi singles

Singles and maxi singles belong to the vinyl module.

The menu: work first, administration below

The app opens collection search, with Add medium directly available. The menu starts with 1 Work: 1.1 Collection and entry for search, entry, editing, Discogs and file import; 1.2 Analysis and output for statistics, print lists and export; 1.3 Backup and exchange for backup, restore, file exchange, Wi-Fi and OneDrive.

Below it is 2 Reference data, settings and administration: 2.1 Appearance and controls for language, appearance, startup, the voice module and counters; 2.2 Help and information for manuals, development history, program information and coat of arms info; 2.3 System and licence for program updates and licensing. Each category opens and closes separately. Search and entry remain accessible without going through settings.

Windows: extract, start and update

Extract the complete Windows package into its own program folder and start Musikregal.exe there. Keep all program files together. Your collection, personal settings and covers are stored in the Daten folder beside it. Close Musikregal and copy the complete Daten folder when moving to another program folder.

Create a full backup outside the program folder before updating. A normal update preserves Daten. On first start, an existing older collection in the previous Windows user location is checked and copied once; the original files are retained. An existing Daten folder continues to be used. Activation, protected credentials and the device-specific OneDrive folder connection remain in the personal Windows area.

Try it for 45 days

Try every media module with voice for 45 days. Afterwards your data, search, editing, export and backup remain available.

After expiry, only adding new media and printing/PDF are locked. Editing, deleting, queries, viewing, speech input and announcements, export and backups remain available. Your entered data is retained and can be used after purchasing Standard or Pro. A restore or merge that adds media requires permission to add.

Start empty or try 100 sample media

A fresh normal installation starts with an empty collection. When it is empty, VM-W explicitly asks: Try sample data? Your collection is empty. Would you like to load 100 fictional sample media? Before choosing, read the notice: The sample data can later be removed completely from the collection. The data you created yourself will remain unchanged. Choose Yes, load sample data or No, start empty. No samples are loaded without your consent.

The optional 100 examples are fictional and cover all seven media types: CDs, vinyl records, video cassettes, music cassettes, open-reel tapes, MiniDiscs and books/comics. They contain no audio or video files and let you try searches, content lists, filters and exports. Existing collections, updates and restores are never automatically filled with sample data.

Updates, collection and activation

Before updating, save a full collection backup outside the program folder and close Musikregal. The built-in updater preserves the Daten folder. If you manually extract the new release into a different program folder, copy the complete existing Daten folder beside the new Musikregal.exe before starting it. Activation and protected device-specific connections remain in the personal Windows area.

The normal public 45-day demo also updates an activated installation. A matching stored activation remains valid; neither the trial nor the voice bonus restarts. Afterwards check the collection, visible version and licence status. A new Windows device may need its own matching activation.

Activation with LZM

Menu path: Menu → 2 → 2.3 → Activation. Under 2.3 System and licence, an activated edition shows Licence management; a trial shows Activation. A recognised full version does not offer first-time activation again. Licence status and importing an existing licence remain accessible.

Enter your first and last name in Activation; the email address is optional. Save request file creates an offline request for this device. Import the matching LZM response using Read licence file or Licence text and Activate now. VM-W validates the licence for this product and device. For this request, the licence issuer must use LZM with Musikregal support.

Start screen, music and licence notice

In Menu → 2 → 2.1 → Language and appearance → Start screen, choose ON/OFF, a whole-number duration from 5 to 10 seconds and music separately. Defaults are ON, 7 seconds and music ON. Colour initially follows the app. Save your own T palette choice: green, blue, red or anthracite with black, white or low-glare appearance, or a custom colour.

The original Bangert crest, VM-W and a black Technics SL-1210MK2 with a rotating platter appear. The locally generated Latin-rock guitar cue is an original composition. Only visible foreground time counts. Colour selection, pause, background and interruptions freeze time, platter and music. Resume uses the remaining time; Start, completion or OFF ends everything. Returning or rotating the device does not replay the introduction.

Choose media modules

Try all modules for 45 days. Find current prices and available modules on the website.

The request contains your details, installation ID and selected media modules. Nothing is sent automatically.

Prices and media modules on the website

Confirm spoken cancellation with two taps

When the standalone spoken word “Abbruch” is recognised in any voice context-search, input fields, track dictation or guided entry-VM-W opens a dedicated confirmation. The word is not saved as a field value. Tap Cancel · 1 of 2, then Cancel now · 2 of 2. Only the second deliberate tap confirms voice cancellation. All eight app languages use the same German command “Abbruch”.

Other controls are blocked during this confirmation; one tap on the microphone or Stop cannot bypass the two-tap rule. Confirmation ends only the voice operation. Existing entries remain in the draft; nothing is saved, deleted or switched. Late recognition results are not inserted into another field.

Connect OneDrive through the Windows data folder

Menu path: Menu → 1 → 1.3 → OneDrive - synchronisation and backup. 1. Set up the Windows OneDrive client and sign into your Microsoft account there. 2. Create a Musikregal data folder inside your OneDrive folder. In Explorer choose Always keep on this device for that folder and wait until its files are fully available.

3. Open VM-W Settings → OneDrive - Sync and backup. Choose Connect OneDrive / Select data folder and select the prepared local OneDrive folder. 4. Use the same shared collection on participating devices. VM-W needs permission to read, write and rename in this folder.

Local folder, cloud status and sign-in

VM-W works with your selected local folder. The Windows OneDrive client transports files to the cloud. Selecting an arbitrary local folder does not turn it into a cloud folder. Online-only placeholders must be downloaded before reading.

Manage your Microsoft username, password and multifactor sign-in in the OneDrive client. VM-W does not request your Microsoft password or offer a direct WebDAV password test here. Keep sync and backup off until the folder and cloud status are ready.

Merge data and resolve conflicts

Merge data reads a complete Musikregal backup and combines matching records by stable media IDs. Compartment and media numbers, leading zeros and original values are retained. CSV or partial JSON exports are not full backups for this import. Existing Discogs release details take priority over differing imported details.

The preview shows new, edited and deleted data. When the same field was changed, deliberately choose This device or the other/cloud version. Stored deletion markers prevent deleted records from silently returning through synchronisation. Resolve every conflict and tap Apply changes. Changes to local data, cloud contents, folder or permissions require a new preview.

Dated cloud backups and local safety copies

Enable OneDrive backup separately and choose Back up now. VM-W writes a new dated backup and verifies it by reading it back. Earlier versions remain; an interrupted operation does not count as a successful backup. Cloud backups contain the collection, tracks, catalogue/release details and transferable print template. Native rights, periods, credentials and personal device settings stay local.

Choose a backup to inspect a dated cloud version before restoring. Local safety copies provides backups made before applications, even without cloud access. Read the preview and deliberately confirm. The previous complete collection is backed up first. Restoration replaces only the selected media types; Merge data combines it. Additional media require permission to add. For local restore, choose the file; for cloud restore, choose the dated version. The preview shows Media types in this file. ALL means all media types offered by that file; you can also choose any subset. Check the numbers of added, changed, deleted and unchanged items before applying.

Search and find

Choose All, CD, LP, MC, TB or MD. Enter a song, artist/band or album in the separate fields. Each field has a microphone; one completed field is enough.

Genre and year from/to narrow the search at the top. Results update as you type. Search can announce up to three locations. Check song, artist, album, compartment and media number.

Genres and styles

Open Genre / style on the search page. First choose a category such as Rock, then an available main genre or a style such as Krautrock. Select entire category includes all values assigned to that category. All genres clears the genre/style filter. Artist, album, track, media format and year range can still be combined.

The choices come from the current collection. Empty categories are not offered. Terms without a known category appear under Other / unassigned. Simple spelling variants are grouped for selection without changing the stored original values. A category may contain several genres or styles, and terms may belong to several categories.

Genres and styles

Add and edit your own media

Menu path: Menu → 1 → 1.1 → Add item. Open the menu and choose Add medium. Select the media type and complete the fields or use their microphones. Check artist, title and location carefully before saving. For every newly created CD or LP, explicitly enter a compartment and a CD/record number within it, including when using Discogs data. Saving is blocked until both are present. Adding details to existing media preserves its stored position.

Open a result and choose Edit. Use the Album, Location, Details and Track list tabs or Previous/Next. Update fields and save. Compartment and media number retain the meaning of your existing location values and determine the announcement.

Choose which Discogs details to use

Existing original values take priority. Display, export and printing use the saved details unchanged; supplementary data do not automatically rewrite artist, album title, year, format or quantity, or fill missing original values in the background. Compartment numbers, media numbers, prefixes and leading zeros are retained.

Compare Discogs details shows Existing beside Discogs suggestion. For each differing field, choose Keep or Replace; Keep is always selected by default. Only Confirm selection applies explicitly chosen replacements. Compartment and media numbers are not part of this choice. If the entry has changed meanwhile, reopen the comparison.

MC, TB and MD

Menu path: Menu → 2 → 2.1 → MC / reel counter readings. 2.1 / MC / reel counter readings offers separate switches for MC and TB start counters. Both are off initially. CD, LP and MD have no such counter fields.

A start counter belongs to a song, and to its recorded side where applicable. It is optional and independent of duration and track number. Leading zeros remain intact: 000 is valid; blank means unknown. Turning the 2.1 / MC / reel counter readings option off hides values without deleting them. No conversion between devices or into running times is performed.

Backup and restore

A full backup includes the entire collection, track lists, settings, the enabled Discogs catalogue and release details. Search filters do not limit it. Hidden start-counter values and stored tape speeds are included. Finish saving in the Windows file dialog.

The backup area shows the last successful full backup and whether collection changes remain unprotected. Cancelled or failed saving does not count. CSV, PDF and JSON selections are not full backups.

Import a personal Excel correction file

Menu path: Menu → 1 → 1.3 → Backup and restore. First update the normal demo edition. No intermediate installation of the private full version is needed. If you have received a personal Excel correction file, select it through Backup and restore → Restore backup in the menu. This is a personal file and must not be published on a public website. The program update itself preserves the collection and does not append 100 demo items to an existing collection. Only the personal correction import replaces the confirmed old original fields.

Check the preview. Known import errors and missing media are handled selectively. Where your own core-field values differ, the saved value is shown beside the original Excel value. Keep is selected by default; you must explicitly choose Replace. Additional media of your own, track lists, counter readings, other supplementary details, settings and licence are retained. Catalogue and release details are included.

One sorting choice for display, export and printing

The main list, export and printing share the same sorting. The default is compartment number, then media number (storage position), both numerically ascending: 2 before 10. All 15 columns can be sort criteria. Add up to 15 criteria as needed and choose ascending or descending for each. The arrows move a criterion together with its direction; any criterion except the last remaining one can be removed. Changes apply immediately everywhere. Default sorting restores compartment number and media number throughout with one click. Saved numbers, prefixes, leading zeros and search filters remain unchanged.

As soon as a track field is selected as a criterion, individual tracks are sorted across albums using all priorities. This includes track title, position, artist, duration and counter reading. Durations are compared as time; for counter readings, 0002 comes before 0010. Without a track criterion, the saved track sequence is retained within the sorted albums. Display, CSV and printing use the same track rows in the same order. JSON still contains the complete original albums and additionally describes the visible order using rows references.

Export matching results

Menu path: Menu → 1 → 1.2 → Export selection. Open Export in the menu. Use the current search or adjust song, artist, album, medium, genre and year from/to. Check the result count and preview. All filtered results are exported; track lists are optional.

UTF-8 CSV is suitable for spreadsheets. A partial JSON export is for data exchange, not a full backup; it cannot be restored as a backup. The print list uses the Windows print dialogue, including PDF through an available print destination.

Print list and page header

Menu path: Menu → 1 → 1.2 → Print list. Open Print list in the export area and select Current results or Entire collection, portrait or landscape, table font and columns. Compartment number and media number remain the saved storage locations. Include tracks adds track rows; the track-search and artist rules below also apply to printing. Track sorting automatically outputs track rows.

Under Page header, choose or remove the left and right logos independently. PNG, JPEG and WebP files up to 5 MB are supported. Set the width of each logo. The centre contains four text lines; set each line's text, font family, size, bold/italic, colour and alignment separately. Empty lines stay empty. The page header and column headings repeat on every page.

Print list and page header

Exit and unsaved input

After collection changes since the last full backup, Quit offers three choices. Back up and quit closes VM-W only after a successful save. Quit without backup preserves saved entries but leaves the reminder active for next time. Cancellation or failure keeps VM-W open. With no unprotected collection changes, VM-W quits directly.

Back up and quit · Quit without backup · Cancel quitting

Language, microphone and offline use

The interface is available in German, English, Dutch, French, Spanish, Portuguese, Russian and Greek. There are eight colour schemes. Titles and artist names are not translated when you change languages.

Allow microphone access the first time you use a voice function. Select your preferred app language in Settings. If speech is not recognised, check Windows's microphone permission, speech services and, if necessary, your internet connection.

Limits of this demo

Automatic retrieval of missing Discogs details, an EAN scanner and playback of recorded collection tracks are not included. Sample data are not verified Discogs releases. The optional intro music is a short original instrumental composition.

If no results appear, select New search and start with a short term. Then check the medium, genre and year range. If saving or exporting fails, read the message and repeat the step. Do not close the Windows file dialogue prematurely.

Load Discogs data online and choose what to keep

Menu path: Menu → 1 → 1.1 → Load Discogs data online. First add new CDs and LPs to your Discogs collection yourself. In Musikregal, open Menu → 1 → 1.1 → Load Discogs data online. Musikregal reads release data; this feature does not write to Discogs or automatically add media to your local collection.

Enter your own Discogs username and, if needed, your own personal access token (PAT). Do not enter a Discogs password in this form. A personal access token does not require the app developer to register an OAuth application. Generate it in your Discogs account under Settings → Developers → Generate new token: <https://www.discogs.com/settings/developers>. Tap “Check and save access”. “Store the token encrypted on this device only” controls whether the token is saved for later requests. “Remove saved token” removes it again. The token field is cleared after the check, including on failure.

Back up and restore all or multiple media types

Menu path: Menu → 1 → 1.3 → Backup and restore. For local backups, open Menu → 1 → 1.3 → Backup and restore. Before a local or OneDrive backup, use Choose media types to select ALL or any combination of the CD, LP, MC, MD and TB checkboxes. For example, back up CD + LP + TB together. At least one type must be selected. Search filters do not select the backup scope.

A local full backup contains every media type and global settings. A partial backup contains only the chosen types and their related data. You can create a complete file and separate CD-only or LP-only files. Keep several dated backups outside the app. Only a successful full backup protects the complete collection.

Choose Excel, CSV, JSON or PDF

Menu path: Menu → 1 → 1.2 → Export selection. Open Menu → Export selection. Check the search and result count. Excel (XLSX) creates a real workbook with overview, media and tracks sheets. The overview explains selection and sorting. Tables provide filters, frozen headers, readable columns and print settings. The workbook has no macros.

CSV is a UTF-8 table for suitable spreadsheet software. A JSON partial export contains Musikregal data for selective exchange; it does not replace a full backup. A suitable product-schema JSON file can be checked through Import data, not Restore backup. Song filters may limit visible track rows; check what media and tracks the file actually contains before importing.

Import data with preview and individual decisions

Menu path: Menu → 1 → 1.1 → Import data. Open Menu → Import data (CSV / Excel / JSON). Select a suitable CSV table, supported XLSX workbook or Musikregal product-schema JSON file. An arbitrary external JSON file is not a valid import. XLS, XLSM and PDF are not supported by this workflow. Restore collection backups through Restore backup.

Check the loaded table. Map columns to appropriate Musikregal fields and inspect the preview. Artist, album, media type and location must fit together. Excel formulas, macros, external links

and incompatible or damaged files are not executed or accepted blindly.

Enable the optional voice module

Menu path: Menu → 2 → 2.1 → Voice input and read-aloud. Open Menu → 2 → 2.1 → Voice input and speech and enable Voice module (goodie) when needed. The new local setting starts OFF and can be disabled again at any time. It covers voice input and speech; startup music retains its own switch.

Try every media module with voice for 45 days. Afterwards your data, search, editing, export and backup remain available.

Read development history at three lengths

Menu path: Menu → 2 → 2.2 → Development history. Open Help → Development history. Short gives the quick timeline, Overview covers major steps and Detailed provides more information. Choose the edition: VM is the Android app; VM-W is the separate Windows program.

The history describes the original idea of finding music and locations more easily and its development into search, editing, printing, backups and exchange. I in personal explanations refers to the developer. Preserved earlier versions are historical records, not a claim of new device acceptance.

Media condition

Select P (Poor), F (Fair), G (Good), G+, VG, VG+, NM or M (Mint) when editing media. Details and CSV, XLSX and JSON exports include this condition.

Existing entries without a condition receive VG+ once. Your existing choices remain unchanged. The exact original collection is saved locally before migration.

Merge collections by file

Menu path: Menu → 1 → 1.3 → VM ↔ VM-W / WLAN. Open VM ↔ VM-W and save an exchange file. Read it on the other device, review additions, changes and deletions, then choose Back up and merge. Export the merged state back to the first device.

Each physical copy keeps its own identity, including several copies of one Discogs release. Additions from both devices survive. Choose Keep here or Use other for conflicting edits. A missing identity is not a deletion request.

Sync on the same Wi-Fi

Menu path: Menu → 1 → 1.3 → VM ↔ VM-W / WLAN. Connect Windows and Android to the same private Wi-Fi. Open VM ↔ VM-W on both. Start Wi-Fi on the PC; select the matching network address if several are available. Enter the displayed PC address and six-digit code on the phone. The session closes after ten minutes or Stop Wi-Fi.

Confirm the phone preview first, then review and confirm the PC preview. Additional PC changes return to the phone for review if needed. Unchanged return data is checked and acknowledged. Both sides finish only after the confirmed return exchange.

Updates and documents

Menu path: Menu → 2 → 2.3 → Application update. VM checks

<https://www.be-edvsysteme.de/b-software/updates/vma.apk>; VM-W checks

<https://www.be-edvsysteme.de/b-software/updates/vmw.zip>. These target paths do not prove that a newer package has been published.

Android offers only a newer APK with the original package identity and signer. If required, allow this installation source for Musikregal and tap Install update again. Do not uninstall. VM-W checks the complete ZIP, backs up program and user data, closes and restarts after replacing the program. Existing rights and running trial periods remain.

Coat of arms and usage rights

At every Bangert crest, Coat of arms info opens the crest details and usage rights. On a computer, the notice appears after holding the pointer over the crest for about two seconds. Bangert-Software appears beneath the crest within its width.

The Bangert coat of arms identifies Bangert-Software programs. It is separate from the user's club or federation logo.