Bangert-Software

USER MANUAL

Musikregal for Windows

VMW-3.0.0-R1-ID70F · Windows x64 · 45-day trial

Up to four windows

Arrange the player, track list and display across screens according to your edition.

Direct music access

Play local files and music from NAS, network shares and OneDrive.

18 frequency bands

Keep the frequency display and output level in view.

A/B crossfade

Prepare the next track and mix it in with the crossfader in the applicable edition.

www.be-edvsysteme.de/software/vmw-downloads.html

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Bangert-Software · Musikregal
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User guide

Install and open the player

Close Musikregal and back up existing data first. Extract the matching installation ZIP and run Setup.exe. Fresh public and private installations use the same default folder C:\B-Software\Musikregal. An update uses the actual existing installation folder, even if different. Update over the existing installation; do not uninstall or delete data first. A compatible update preserves data, settings, valid licences and the original trial period. The desktop shortcut starts the player. Music files stay in place.

Language on installation and update

A fresh private installation starts in German without a language prompt. A fresh public installation first offers language selection, with a supported system language preselected and manually changeable. Order: German, English, Greek, Dutch, French, Spanish, Portuguese, Russian. German is the fallback for other system languages. Updates preserve the previously chosen language.

Connect optional OneDrive unambiguously

The OneDrive music source uses Musikregal directly at the root of personal OneDrive: OneDrive/Musikregal. Music may be in subfolders. Share that exact folder with read access, copy its link, enter it in VMW and choose Check connection. Verification confirms the actual root folder, identity and readable access; another folder is not a substitute. The adapter supports readable personal shares without additional sign-in. Integrated Microsoft sign-in/OAuth and business or sign-in-required shares are not configured. The fixed root rule applies to OneDrive, not local or NAS paths. After a successful check choose “Save verified connection”. The source is applied without restarting; a saved link stays hidden.

Switch sources independently and persistently

Every configured source has its own saved on/off state. Disabled sources are not used for new searches, preloading or playback and are not automatically enabled as fallback. Main and fallback sources must be configured, enabled and reachable. Switching off a source or losing the network deletes neither its files nor its saved catalogue.

Move the program folder to another PC

Close VMW completely and back up the existing program and data. Music paths and network shares must be reachable on the destination PC; confirm window positions there. Windows-protected sharing links are bound to the user and computer by DPAPI. A copied encrypted link cannot automatically be reused: deliberately relink the source and run Check connection. Files and collection are retained.

Track counts without duplicate mirrors

In Hartmut’s private edition, an enabled, fully confirmed OneDrive snapshot is the authoritative reference catalogue. Local mirrors are not counted again. Local-only tracks are then hidden in that edition, but remain saved. Switching OneDrive off makes local sources independently available again. In the public edition, additional local tracks remain visible even with OneDrive enabled; conclusively verified mirrors are still counted only once. Being offline or an incomplete scan does not delete data. Mirror matching checks path, size and real metadata; conflicting hashes prevent a match. Matching filenames alone justify neither a mirror match nor deletion.

Tracks and file locations

Excluded tracks in Music management shows tracks removed from the regular mix. Allow track again restores a track. Right-click or hold a title to check each file’s bitrate. Moving a writable OneDrive file to the recycle bin requires confirmation.

Track counter and EQ

A track is counted after 60 seconds of playback. The count continues when switching lists. Hold the counter for two seconds to reset it. EQ response changes the display speed in the player and the EQ window.

Choose your edition

Light offers the player and track list in up to two windows. Standard combines the player and track list and adds a separate EQ. Professional gives the player, EQ, library and queue up to four freely positioned windows.

Try it for 45 days

The public Demo45 starts in Professional. Use Try an edition to explore the three player views within a single trial. Music and the queue continue when you switch. Information and demo at b-termine.de.

Music directly from your sources

Local music remains independent and usable offline. Each source has a saved on/off choice. Optional OneDrive: fixed root folder Musikregal, individual readable sharing link and Check connection. NAS and PC/server shares must be reachable.

Set up the windows in order

Open and position the four windows in order. Confirm the player, EQ and music library to unlock each next window. Confirm the queue as well. At the next start, VMW restores the confirmed position, size and full-screen state for this display arrangement. Confirm again to save a change. Use F11 to enter full screen and Esc to leave it.

Player at a glance

The timeline sits above the transport controls, with a toggle for volume. Play, Pause and Stop use distinct colours. Search and filters stay at the top of the library. A Now playing label marks the active track. Radio starts collapsed outside the player. The timeline, playback buttons and A/B crossfader stay in place when the volume slider opens or closes.

Volume and output level

The meter beside Volume always stays visible. With the slider closed, it fills the available width. When open, the slider is on the left and the meter on the right, each using 50% of the width. In narrow windows, the slider occupies a reserved second row. The timeline, playback buttons and A/B crossfader stay in place. The percentage is centred beneath the slider and changes in half-percentage-point steps. Its field is green through 75%, orange at 75.5–90%, and red from 90.5%. The meter keeps measuring during playback in both states and holds its peak for half a second.

Blutfang in Musikregal

Look for the lamb and the small switch at the bottom right of the player. After you turn it on, Blutfang waits 5–10 seconds. A single click enables a random visit every two hours, and a double-click enables one per hour. He stays quiet while music plays. Press Esc to end a visit.

Player and library

The header shows the source used for playback. Use the adjacent button to hide or show it. In the separate library, search, filters and actions stay visible. Find years, sources and list options under View & collection. Two shades of green and the digits 1 and 2 show the favorite rating. Favorites stays on one line in a narrow queue window. The clearing hint and the actions have separate areas with spacing.

Preparing the next track

VMW can use complete recordings from its local cache immediately. Tracks outside the cache follow your source order. Optional loudness analysis runs in the background. VMW sets the gain at the start of the track and keeps it steady. Blutfang’s leap features a sharper close-up.

Track changes during preloading

Next track reuses the next track’s ongoing preparation. The player shows its loading state until it is ready. Crossfade now queues the transition and keeps the current track playing until the next one is ready, then starts the fade. Pause, Stop or another track jump cancels the queued transition.

Mix with the A/B crossfader

Green shows that the next track is ready. Drag the crossfader or click Crossfade now. The fader follows the transition in either direction. The next three tracks appear underneath.

Log a request in one click

Choose Request +1 beside a track to record a request. The ranking lists the most requested tracks.

Display and power

VMW temporarily inhibits the screensaver, automatic display sleep and idle standby while it is open. Windows resumes its configured behaviour when VMW exits.

Favorites and playlists across PCs

In Music management → Sources → OneDrive sync, choose the synced Musikregal folder on each PC. The music source must point to this folder or a subfolder. VMW reads Musikregal-Listen.json on startup and saves changes on exit or when you select Sync now. Wait for OneDrive to finish syncing before switching PCs. Playlists with tracks outside the shared folder stay on their PC. Read access to music does not replace read/write permissions for list synchronisation.

Update the library

Refresh library adds new files and removes paths confirmed no longer present. Removal is allowed only after a fully successful scan of the relevant enabled, reachable source. Cancellation, read errors, missing permission, partial scans and disabled or unreachable sources do not delete their entries. Preview and Apply changes cover manual reconciliation; automatic scans use the same safeguards. A track is removed from the library when its last confirmed location is missing. Original MP3 files are unchanged.

Readable field numbers in every theme

Optional field numbers identify controls when reporting a problem. Numbers use opaque, high-contrast badges that adapt to the selected colour theme. Long identifiers remain readable. The second frequency-display window also shows its field numbers.

Start with music already on your device

A fresh public installation uses the actual Windows Music folder as its local base. Existing installations retain chosen paths. Additional local folders, NAS shares and OneDrive are configured deliberately. OneDrive is optional; no new cloud connection is assumed without a sharing link and successful verification. Each source’s on/off choice persists. Setup does not move music files.

One overview for every source

Local music, OneDrive and NAS share the title overview; files stay in their original locations. Language and appearance > Source display offers coloured title text or a thick dot after the title: internal black, OneDrive blue, NAS red. Multiple locations can have additional dots. The choice is saved; no extra source text is added to each title.

Local basis and complete cache

Local music works without OneDrive or Internet. Complete local or cached tracks from an enabled source can play offline. A catalogue entry alone is not a stored audio file. Uncached tracks follow the configured order of enabled, reachable sources. Source counts must not be added as distinct tracks when they contain the same verified recordings.

Primary, reserve and an additional music source

Administration > Data & backup > Data paths & music sources offers an additional folder alongside the primary and reserve source. Use a USB Drobo, an external drive or an internal HDD/SSD; no particular manufacturer is required. Known local Windows volumes are recognised by volume identity, preventing another disk in the old drive-letter slot from taking over that identity. Identical verified recordings on multiple sources count once with several locations. Stable UNC paths are useful for network shares; new shares must be selected explicitly. A reserve must be accessible for fallback playback. Only enabled, reachable sources are used; a disabled fallback is not enabled automatically.

Finding and playing a title

1. Enter all or part of a title or artist. 2. Select the intended hit. 3. Play starts it. Play next inserts after the current track; Append adds to the end. Neither action restarts the current track. Pause keeps position; Stop returns to zero for the next start. Previous and Next follow the queue. The time bar seeks within the track; volume sets the level. Pro voice search: tap the microphone, speak, check the hits, then choose yourself. Tap again or type to cancel recording.

Mixes, favourites and albums

My music mix uses selected filters. If unexpectedly empty, check genre, language, media type and minimum bitrate, including unknown classifications if needed. Thumbs up saves a favourite; thumbs down excludes from normal selection without deleting the audio file. Shuffle mixes the selection. Crossfade sets transition time; Fade now switches to a prepared successor. Album playback uses its entered track list and order. Resolve a missing list or ambiguous recordings first. Zero found titles is not a successful match.

Understanding sources and quality

Language and appearance > Source display selects dots or text colour. Internal is black, OneDrive blue and NAS red. Black dots have a light outline. Several dots can represent locations of the same recording. MP3 minimum bitrate filters files; it does not convert them. Unknown bitrate remains identifiable. Duplicate lists are candidates for review: versions and bitrates may differ intentionally. Never delete solely because titles resemble each other. The frequency display measures sound without changing it and is included in Standard.

Collection, backups and printing

Administration > Collection opens physical media and other entries. Check artist, title, medium and location before saving. Review import preview and mapping before applying changes. Export a backup to a known folder before large edits. Restore applies the displayed replace/add choice, so inspect it. Printing is Pro: filter the list, choose columns and order, design the header, inspect every preview page, then Print / PDF. Select the real printer or Save as PDF in the system dialog. An export is not a printout.

Appearance and optional extras

Language and appearance offers eight languages, themes, source display and field numbers. Numbers identify a particular control when asking for help. Blutfang visits and Halloween can be enabled and previewed separately. The growl accompanies appearance and has its own switch; silent visits remain possible. The one-time greeting is text only and reveals neither name nor appearance. Click the effect or press Esc to close it. Reduced motion is respected. Extras neither move music nor replace backups.

Reliable recognition rather than filename guesses

Matching filenames, durations or bitrates alone do not prove identical recordings. Local sources need an initial full scan as a reference; later moves are recognised using previously verified file contents. Ambiguous files are not linked automatically. An unavailable drive does not delete collection entries. Reformatting or changing PCs may require approving the folder again. Moving outside approved folders requires selecting the new source.

Connect your physical collection with digital music

Catalogue and find music on CDs, vinyl and other media, plus books and comics. Shelves and positions identify each copy; missing media and occupied positions are marked. Details, notes, covers and track lists stay with the copy. Discogs references help verify exact editions; choose whether to keep or replace differing fields before applying changes. A catalogue entry is not itself a stored audio file.

Find, analyse, back up and transfer

Combined search, filters and saved sorting help with large collections. Statistics cover stock, genres, years, artists, shelves, repeated songs and albums owned on both CD and vinyl. Media types can be shown or hidden. Print lists offer selection, filters, columns, a custom header and multipage preview. Administration includes import, export, backup, restore and transfer. Voice input and spoken shelf locations depend on entitlement and device support. Eight languages and optional field numbers make support easier.

One fixed loudness adjustment per track

Optional loudness analysis runs in the background. When a measurement is available at the start, the selected gain remains fixed for the whole track. Other tracks start at their original level, with the measurement available for later plays. Switch changes apply from the next track.

Clear paths and field numbers

Management > Data & backup > Data paths & music sources displays the program data folder and offers folder pickers for primary/fallback music, backups and exports. Check and save the selection; music files are not moved. Language and appearance offers a visible field-number switch with hover explanation and clickable help. Identifiers stay the same across languages.

Quality filters and large queues

Minimum MP3 bitrates: 96, 120, 128, 192, 256, 320, 384 and 512 kbit/s. Resetting filters preserves the chosen minimum. Missing new tags do not erase known genres or languages. Position updates process only the displayed upcoming tracks while preserving the complete queue.

Measurement limits

The target is -18 LUFS, with up to +18 dB gain and a -2 dBTP peak ceiling. Complete mono/stereo recordings up to 40 minutes and 384 MiB encoded size can be measured. If measurement is unavailable, playback uses a fixed original gain and shows a notice. Gain is never adjusted later within the playing track. Spectrum and actual playback level remain separate.

One-time exception

Include excluded tracks for one mix applies to the newly started queue. The checkbox resets after a successful start. The saved thumbs-down rating remains; the next normal queue excludes the track again. The exclusion can be removed in the track list.

Shuffle playback

In Player, choose Actions > Shuffle playback to play all current filter matches in a mixed order. Permanent exclusions are respected. Favourites are available from the view selector.

Audio formats

MP3, WAV, FLAC, M4A (AAC/Apple Lossless), AAC, Ogg Vorbis, Opus and uncompressed PCM AIFF. WAVE, M4B, OGA, AIF and AIFC extensions are recognised too. Apple Lossless: mono/stereo up to 24 bit. AIFF PCM: 8 to 32 bit. Original files are unchanged.

Continuous browsing

Automatic loading is the default; page browsing is optional. Both show continuous row numbers. New pages start at the top of the list. Sort by artist, title, year, genre or album in ascending or descending order. View and sorting preferences are saved.

Clear playback controls

Play starts only the chosen track. Checkboxes mark a selection; Play selection replaces the queue, Queue selection appends the marked tracks. Playback sequence shows the current and next tracks and follows track changes. Stop ends playback and returns to 0:00. Remaining time appears as minutes:seconds, centred directly below the seek bar in the same digit size as the other time displays.

Print media lists

Administration > Collection > Print list. Selection & filters narrows genre, artist, album, year and media type; individual media can be excluded. Sorting & columns sets the order and fields. Page header configures logos and text. Preview shows every page. Print / PDF opens the system dialog. Header, column labels and page numbers repeat.

Successor always ready

During playback the next queued track is prepared, including with crossfade off and in album mode. Pause retains a prepared successor. Queue or source changes prepare the actual next track.

Vivid colours

Choose blue, green, red, anthracite, white, glare-free white, black, orange or rainbow. On black, text and borders can share red, blue, green or white. Rainbow gently animates the colourful background. All settings are saved.

Checks and release status

Build and test reports demonstrate only the checks actually recorded. Audio playback, multiple physical monitors, Windows installation, restore and real NAS/OneDrive connections require checks on the intended Windows PC. These documents do not claim completed Windows device acceptance or live network testing.

Laptop sources and music index

Private edition: At home is the default under Music management → Sources. VMW uses M:\Musikregal first and N:\Musikregal as the backup. Enable Travelling if the laptop may use your configured OneDrive when both NAS folders are unreachable. A partial cloud inventory leaves NAS entries intact. Import music index accepts CSV, result ZIP and JSONL.GZ. Refresh checks additions and missing files on reachable sources. Track details show artwork and labelled language clues where available.