

WMT-8 User Manual

A browser-based MIDI sequencer inspired by the Alesis MMT-8. This manual describes the current WMT-8 panel, workflows, and keyboard shortcuts.

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Getting started

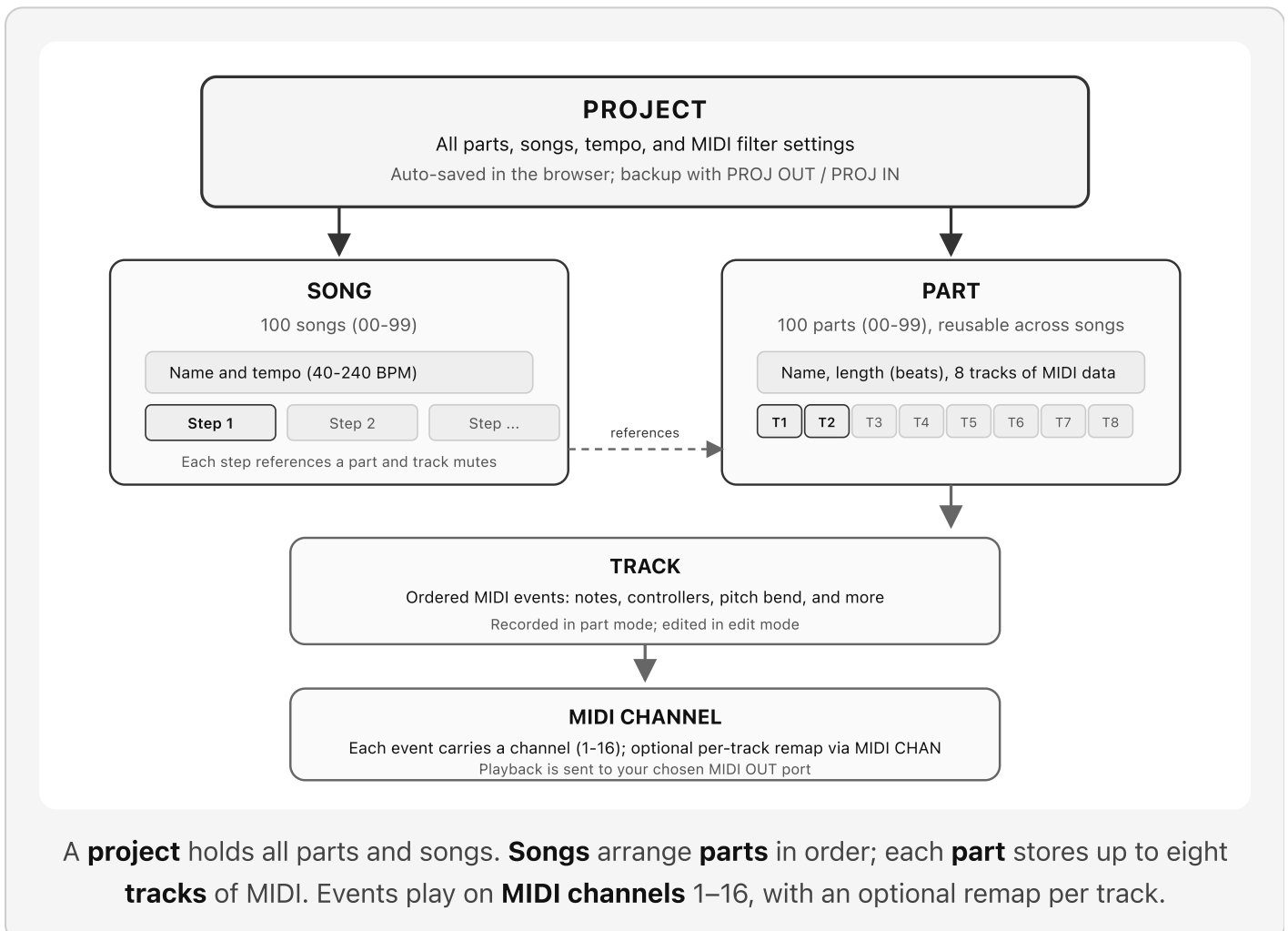
Open <https://wmt-8.live/> in Chrome.

1. Press **MIDI CONNECT** on the panel.
2. Allow access to your MIDI input and output devices when prompted.
3. Select a part or song, arm a track if recording, and use transport as needed.

Tip: Press in the app for a quick shortcut reference. This manual covers the same material in more depth.

A typical song creation workflow

WMT-8 separates **parts** (where MIDI is recorded and edited) from **songs** (ordered lists of part references with tempo and mutes). The diagram below shows how a project fits together; the steps that follow walk through naming a song, recording two tracks on a part, quantising a take, building a simple arrangement, editing a note, playing it back, and saving your work.



1. **Name your song.** Press **S** or **SONG**, then enter a two-digit song number (00–99) on the keypad. Hold **NAME** (or **A**). The LCD shows the name editor with a cursor. Use the keypad digits, **+**/**-** to cycle characters, and **PAGE UP/DOWN** to move the cursor. Press **RECORD** to confirm, or release **NAME** without confirming to cancel.
2. **Set the tempo.** While still in song mode, hold **TEMPO** (or **B**). Adjust the BPM with **+**/**-** or enter a three-digit value (40–240). Press **RECORD** to store the tempo in the current song.
3. **Record on track 1.** Press **P** or **PART** and select a part number (for example, 00). Press **R** or **RECORD** to arm recording—the first empty track is selected automatically. Press **Space** or **PLAY** to start; play your MIDI keyboard while the transport runs. Press **Enter** or **STOP CONT** when finished. The part length is set from this first pass if it was not already defined.
4. **Quantise the recording.** If your first take needs tighter timing, stay in part mode and hold **QUANT** (or **Q**). The LCD shows the grid and mode—for example, *QUANT 1/16 START*. Use **+**/**-** to choose a grid (**1/16** is a good starting point). Use **PAGE UP/DOWN** to cycle the mode: **START** snaps note-on times only; other modes adjust note ends or preserve note length. Press track buttons to include or exclude tracks (all are selected by default). Press **RECORD** to apply, or release **QUANT** without confirming to cancel.
5. **Switch to track 2 and record.** Press **RECORD** again to re-arm. Track 2 is selected automatically as the next empty track, or press the second track button while armed to choose it explicitly. Press **PLAY** again; track 1 plays back while you record on track 2. Recording on later tracks stops at the part length boundary.
6. **Use parts in your song.** Parts are reusable building blocks—record a verse on part 00, a chorus on part 01, and so on. Switch parts in part mode with two-digit keypad entry. To arrange them, return to song mode and press **E** for edit mode. Use **PAGE UP** to insert a step, then enter a part number to assign it. Use **+**/**-** to move between steps and the track buttons to set per-step mutes. A song with at least one step plays through its part list in order.
7. **Edit a MIDI event.** In part mode, press **E** for edit mode. Press a track button to choose which track to edit. Use **←**/**→** or **REW/FF** to step through events on that track. **PAGE UP/DOWN** moves between fields (beat, note number, velocity, and so on). Change the active field with the keypad or **+**/**-**. Press **P** to leave edit mode when done.
8. **Start playback.** In song mode, press **Space** or **PLAY** to hear the full arrangement from the first step. In part mode, **PLAY** auditions the current part on its own. Use **Enter** or **STOP CONT** to pause and continue from the current beat.
9. **Save the project.** WMT-8 auto-saves your parts, songs, and settings in the browser as you work. Press **PROJ OUT** to download a JSON backup you can restore later with **PROJ IN** or move to another machine.

Panel overview

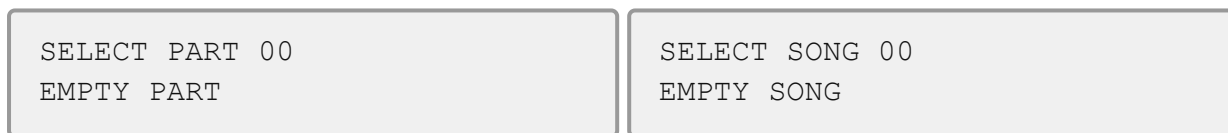
The panel is organised into these areas:

- **LCD:** two 32-character lines showing mode, selection, and status messages.
- **Transport:** REW, STOP/CONT, PLAY, RECORD.
- **Mode:** PART, SONG, EDIT, LOOP, MIDI ECHO.
- **Utilities:** COPY, ERASE, LENGTH, MERGE, NAME, QUANT, TRANS, TEMPO, MIDI CHAN, MIDI FILT, CLOCK, CLICK.
- **Page and project I/O:** PAGE UP/DOWN, MIDI CONNECT, PROJ IN/OUT, MIDI OUT.
- **Keypad:** digits 0–9, +/–, ENTER.
- **Tracks:** eight track buttons with activity LEDs.

WMT-8 stores **100 parts**, each with **8 tracks**, and **100 songs** of up to **255 steps**. Timing resolution is **96 PPQN** (pulses per quarter note).

Display and LEDs

Typical idle displays:



Transport and mode LEDs show PART/SONG/EDIT, PLAY, RECORD, LOOP, and MIDI ECHO state.

Track LEDs indicate:

- **Solid:** track contains data.
- **Flashing:** track is record-armed and empty.
- **Dim / muted:** track is muted for playback.

Transport

◀◀ Rewind ■ Stop/continue ▶ Play ▶▶ Fast forward ● Record

Control	Action
▶ <input type="button" value="Space"/> / PLAY	Play from the beginning of the part or song.
■ <input type="button" value="Enter"/> / STOP CONT	Stop or continue from the current beat. Sustaining notes are not cut off on stop.
◀◀ <input type="button" value="←"/> / REW	Move back one beat. Hold to scrub with acceleration.
▶▶ <input type="button" value="→"/> / FF	Move forward one beat. Hold to scrub with acceleration.
REW + FF together	Freeze transport position while playing.
Hold REW or FF + digits	Autolocate to a three-digit beat number.

While playing in part mode, select another part number to **queue** it. Playback switches to the queued part when the current part ends.

Part mode

Press or **PART** to enter part mode.

- Enter a two-digit part number (00–99) on the keypad, or use /.
- Track buttons mute/unmute tracks, or select the record track when record is armed.
- Part length defaults from the first recording pass when unset, up to 682 beats.

Song mode

Press **S** or **SONG** to enter song mode.

- Each song has its own tempo and an ordered list of steps.
- Each step references a part and a per-step track mute mask.
- During playback the LCD shows the current step and part.

Song editing

Press **E** for edit mode in song mode:

- **+ / -**: move between steps.
- Two-digit entry: assign a part number to the current step.
- **] / PAGE UP**: insert a step.
- **COPY + RECORD**: copy the current step after itself.
- **ERASE + RECORD**: delete the current step.
- Track buttons: toggle track mutes for the active step.

Recording

1. Press **R** or **RECORD** to arm recording. The next empty track is selected automatically.
2. Press a track button to arm a specific track.
3. Press **R** + **Space** or **PLAY** while armed to record.

While recording:

- The armed track is **overwritten from beat 1** when recording starts from stopped.
- While transport is running, press **RECORD** to **punch in** at the current beat. Existing data before the punch point is kept; events from the punch point onward on that track are replaced.
- Press **STOP**, **RECORD**, **REW**, or **FF** to **punch out**. Record arm is kept after punch-out so you can pause with **STOP/CONT** and punch in again on the same track.
- While playing, hold **RECORD** and press a track button to choose the punch-in target without starting recording.
- On tracks after the first, recording stops at the part length boundary.



Count-in (CLICK)

Hold **CLICK** to configure the metronome. Use **+**/**-** for click division, **PAGE UP/DOWN** for record/play click toggles, and two-digit entry for countdown length (0–99 beats, default 04). Enable **record click** to hear a count-in before recording begins. When MIDI output is connected, click beats are also sent as short drum notes on MIDI channel 10.


Hold-button utilities

Most utility buttons use MMT-8-style **hold workflows**: press and hold the button, adjust settings on the LCD, then press **RECORD** (or COPY+RECORD / ERASE+RECORD where noted) to confirm. Release without confirming to cancel.

COPY

- **Part copy**: default; enter destination part with digits.
-  while held: cycle part / track / song copy modes.
-  while held: cycle selective data type (notes, controllers, etc.).
- **Track copy**: select source and destination tracks, then RECORD.
- **Song copy**: append the current song to another song number.

ERASE

- Toggle tracks to include or exclude while held.
- : cycle selective erase type.
- RECORD confirms erasure of selected data on selected tracks.

Other utilities

Button	While held
LENGTH	+/- or three-digit beats; PAGE UP/DOWN shifts events; RECORD confirms. Truncates events beyond the new length.
TEMPO	+/- or three-digit BPM (40–240). In song mode, RECORD stores tempo into the song.
NAME	Keypad entry for part or song name (up to 14 characters). RECORD confirms.
MERGE	Select source track, then destination track. RECORD merges onto destination.
QUANT	+/- grid; PAGE UP/DOWN quantise mode; toggle tracks; RECORD confirms. Song mode: clock offset per track.
TRANS	PAGE UP/DOWN direction; 00–99 semitones; toggle tracks; RECORD confirms with octave wrap.
MIDI CHAN	Select track; enter 00 (unchanged) or 01–16; RECORD confirms.
MIDI FILT	Toggle message types (digits 1–6); PAGE UP/DOWN for channel filter page.
CLICK	+/- grid; PAGE UP/DOWN toggles; digits set countdown length.

Edit mode

Press **E** in part mode to edit MIDI events on the selected track. Track buttons select which track is being edited. Use **←**/**→** or REW/FF to step through events. Use PAGE UP/DOWN to move between fields. Use the keypad or **+**/**-** to change the active field value. REW/FF stop at the first and last events; stepping past the last event shows **END OF TRACK** rather than wrapping to the start.

During playback in part edit mode, the selected event follows the playhead. When a track has a fixed **MIDI CHAN** assignment, the channel field shows the assigned channel in parentheses.

Note events

For note-on events, editable fields are beat, sub-beat, note number, velocity, duration, and MIDI channel. ERASE + RECORD deletes the current event.

Other MIDI events

Pitch bend, aftertouch, controller, program change, and SysEx events each have type-specific fields. For SysEx data, PAGE UP/DOWN scrolls through bytes while the sysex byte field is selected.

Inserting events

Hold COPY in part edit mode to choose an insert type with PAGE UP/DOWN, then press RECORD to add a default event at the current beat. COPY + RECORD without holding COPY inserts a default C3 note (velocity 64, one beat long).

In song edit mode, EDIT works on the song step list instead of MIDI events. Use **+**/**-** to move between steps, two-digit entry to assign a part, COPY + RECORD to copy a step, and ERASE + RECORD to delete a step.

MIDI setup and filters

- **MIDI CONNECT** requests Web MIDI access. Use the **MIDI in** and **MIDI out** selectors below the panel to choose ports when more than one device is available.
- **MIDI ECHO** passes input to output during recording, respecting track channel assignment.
- **MIDI FILT** (while held) controls which message types are recorded and which input channel is accepted.
- Each track can remap output to a fixed MIDI channel via **MIDI CHAN**.

Projects and export

- Projects auto-save in the browser.
- **PROJ OUT** downloads the full project as JSON (parts, songs, tempo, filters).
- **PROJ IN** restores a previously exported project.
- **MIDI OUT** exports the current part as a Standard MIDI File (.mid). In song mode, all steps are concatenated into one file using each step's part data and track mute mask.





Keyboard shortcuts

Key	Action
Space	Play
Enter	Stop / continue
← →	Rewind / fast-forward
R + Space	Record from start (bypasses arm-only standby)
R + Enter	Oops — undo the last recording pass
Enter (while paused)	Continue from the current beat
P S E	Part / song / edit
L M	Loop / MIDI echo
0–9	Keypad digits
+ –	Increment / decrement
[]	Page down / page up (in song mode: shift track clock ±1 tick)
C Delete N G	Copy / erase / length / merge (hold)
A Q T B	Name / quantise / transpose / tempo (hold)
H F I K	MIDI channel / filter / click / clock (hold)
?	Open quick help modal
Esc	Close help modal







Hidden shortcuts

These chorded shortcuts mirror undocumented MMT-8 behaviour:

- **RECORD + PLAY** — start recording immediately without arming first.
- **RECORD + STOP/CONT** — *Oops*: undo the last recording pass on the armed track without entering edit mode.
- **STOP/CONT while playing** — pause; press again to continue from the same beat (sustaining notes are not cut off).

- **Shift clock (song mode)** — press PAGE UP/DOWN to nudge the selected track timing by one tick (96 PPQ). Hold TEMPO and press PAGE UP/DOWN for the same adjustment. QUANT in song mode also adjusts per-track clock offset with /.
- **COPY track / song append** — hold COPY, cycle to track or song mode with /, then confirm with RECORD to copy a track into another part or append one song onto another.

Factory reset

To erase all parts, songs, and browser-saved project data and return WMT-8 to its initial state, press  +  +  (use  instead of  on Mac). You are prompted to confirm before any data is erased. Press  or **Cancel** to abort, or **Reset** to continue. Transport stops first if playback or recording is active.

About BandTools



WMT-8 is a fun side project from [BandTools](#), email newsletters built specifically for musicians. If you spend hours programming parts and songs, you probably also need a reliable way to tell fans when something new is ready.

Social platforms change their algorithms overnight and reach can disappear just as quickly. A mailing list is different: it is an audience you own. A hundred fans who actually read your emails will often drive more pre-saves, ticket sales, and merch orders than thousands of followers who scroll past a post.

BandTools keeps that simple. Write your newsletter, hit send, and you are done. No marketing dashboards, growth hacks, or features aimed at agencies and ecommerce brands. Subscribe pages, scheduling, imports, custom domains, and branded themes are there when you need them, but the focus stays on one job: emailing the people who care about your music.

BandTools is run by an independent musician, not venture-backed growth machinery. Your fan relationships stay private: no ads in your newsletters, no selling subscriber data, and no tracking your audience for resale.

Start free: the Solo plan is free forever for up to 500 subscribers. [Visit `bandtools.app`](#) to create an account. Setup takes less than two minutes and no credit card is required.