

2.6.4 Auto-Invert standard lateral pitches when changing from RH to LH

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2.6.4 auto

The **Auto-Invert** setting controls whether Spectre Cloud automatically mirrors lateral pitch values when a spec sheet is switched between a **right-handed (RH)** and **left-handed (LH)** bowler — or when a new spec sheet is created for a left-handed bowler based on an existing right-handed template. Because lateral pitch directions are physically opposite for RH and LH bowlers, a value that is correct for one hand will be incorrect for the other without inversion. This setting handles that conversion automatically.

☐ Why Lateral Pitch Inverts Between RH and LH Bowlers

Lateral pitch is defined relative to the bowler's grip — specifically, toward or away from the ring finger side. Because the hands are mirror images of each other, a pitch direction that moves

toward the ring finger on a right-handed bowler moves in the physically opposite direction on a left-handed bowler. If a spec sheet or template is copied across handedness without inverting lateral pitch, the drilled result will be a mirror-image error.

- **Right-handed bowler:** lateral pitch toward the ring finger tilts the hole opening to the right when viewed from above.
- **Left-handed bowler:** lateral pitch toward the ring finger tilts the hole opening to the left — the physical opposite direction.
- Auto-Invert handles this conversion silently — the fitter sees the correct value for the bowler's hand without needing to manually reverse any figures.
- Without Auto-Invert, copying a spec sheet or layout from a RH bowler to a LH bowler without manually checking and reversing lateral pitch values will produce an incorrectly drilled ball.

Note: Auto-Invert applies to **lateral pitch values only** — forward/reverse pitch and span measurements are not affected, as these do not change direction between RH and LH bowlers. [△](#) *Verify with your Spectre team: confirm the complete list of fields affected by Auto-Invert, and whether any additional values beyond lateral pitch are inverted.*

Enabling or Disabling Auto-Invert

1. Navigate to **Settings** from the top menu.
2. Locate the relevant settings section. [△](#) *Verify with your Spectre team: confirm the exact section name for 2.6.x settings, consistent with earlier pages in this chapter.*
3. Find the **Auto-Invert** option.
4. Toggle the setting on or off. [△](#) *Verify with your Spectre team: confirm whether this is a toggle, checkbox, or other control.*
5. The change takes effect immediately for all subsequent handedness changes and spec sheet operations involving a switch between RH and LH. [△](#) *Verify with your Spectre team: confirm auto-save behavior, consistent with other settings in this chapter.*

Auto-Invert in Common Workflows

Auto-Invert is most relevant in three specific situations. In each case, enabling the setting means the fitter can proceed without manually checking and reversing lateral pitch values.

Workflow	Without Auto-Invert	With Auto-Invert
Cloning a RH spec sheet for a LH bowler	Lateral pitch values carry over unchanged — must be manually reversed before drilling	Lateral pitch values are automatically mirrored on clone
Switching a bowler's handedness setting on their profile	Existing lateral pitch values remain as entered — no automatic correction	Lateral pitch values on associated spec sheets are updated to reflect the new handedness
Creating a new LH spec sheet using a RH template	Template lateral pitch values must be manually inverted before use	Template lateral pitch values are automatically mirrored when applied to a LH bowler

Note: ⚠ *Verify with your Spectre team: confirm which of the three workflows above Auto-Invert actually applies to in the current version of Spectre Cloud, and whether "switching a bowler's handedness on their profile" retroactively updates existing spec sheets or only affects new ones created afterward.*

☐ Relationship to Other Auto-Suggestion Settings

Auto-Invert works alongside the other auto-suggestion settings in chapter 2.6. It is most closely related to Auto-CLT (2.6.3), since CLT-based lateral pitch suggestions are also direction-sensitive.

- ☐ When both **Auto-CLT** and **Auto-Invert** are enabled, a CLT-based lateral pitch suggestion generated for a LH bowler will already reflect the correct direction — Auto-Invert and Auto-CLT work in the same direction, not against each other.
- ☐ Auto-Invert also applies to manually entered lateral pitch values, not just auto-suggested ones — any lateral pitch on a cloned or templated sheet is subject to inversion when handedness changes.
- ☐ The inverted value respects the **right pitch as positive** sign convention set in **2.4.1** — the sign will flip correctly for the LH bowler's convention. ⚠ *Verify with your Spectre team: confirm that Auto-Invert correctly interacts with the 2.4.1 sign convention setting for LH bowlers.*

⚙ When to Consider Turning Auto-Invert Off

- **Shops that never clone specs across handedness** — if your shop always builds LH spec sheets from scratch, Auto-Invert has no effect and can safely be left off without risk.
- **Training new staff** — disabling Auto-Invert requires trainees to consciously identify and reverse lateral pitch values when working across handedness, reinforcing the underlying geometric logic.
- **Workflows with manual handedness management** — some shops maintain separate template sets for RH and LH bowlers and prefer explicit control over every value rather than automatic inversion.
- Turning Auto-Invert off in a shop that regularly clones specs or shares templates across RH and LH bowlers significantly increases the risk of drilling an incorrectly pitched ball — the error may not be caught until the bowler has thrown several games.

A Note on Ambidextrous Bowlers

Some bowlers throw with both hands — for example, switching to their non-dominant hand for spares. If separate spec sheets exist for both hands, Auto-Invert ensures that lateral pitch values are correctly oriented for each hand when spec sheets are created or cloned across handedness.

- Maintain separate bowler profiles or clearly labeled spec sheets for each hand.
- When creating the second-hand spec sheet from the first, Auto-Invert will handle lateral pitch direction automatically. [△ Verify with your Spectre team: confirm whether Spectre Cloud supports recording both RH and LH spec sheets under a single bowler profile, or whether separate profiles are required for ambidextrous bowlers.](#)

Scope of This Setting

This setting is stored at the account level and applies to all spec sheet operations across all devices. [△ Verify with your Spectre team: confirm per-user vs. per-account/shop scope — resolving this question here and applying it retroactively across all affected pages from 2.3.5 onward remains an outstanding action for the Spectre team.](#)

Related Sections

- 2.6.3 — Auto-CLT: lateral pitch of fingers based on CLT chart
- 2.6.2 — Pitch suggestion: auto forward pitch based on hand flexibility
- 2.6.1 — Overview: why leaving all auto-suggestions on saves time
- 2.6.5 — Next auto-suggestion setting (*if applicable*)

- 2.4.1 — Does your machine display right pitch as positive? Y/N
- 3.x — Bowlers: recording handedness in a bowler profile
- 4.x — Spec Sheet: cloning and applying templates

Tip: Left-handed bowlers make up roughly 10–15% of the bowling population — a busy shop will fit several per week. Auto-Invert is a small setting with a disproportionately large safety payoff: one enabled toggle prevents a whole category of handedness-related drilling errors from ever reaching the press.

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