CoordyNavi

Product Release Notes

Version 2.0.0 Release Date: October 15, 2026 Platform: Android

What's New in CoordyNavi 2.0.0

CoordyNavi 2.0.0 brings Building Mode's full survey workflow directly onto the map screen — new point registration, measuring, and offsetting tools, plus Zero Set, Staking, and Heighting now available for Building sites just as they already are for Civil sites. Buildings also gain multi-floor support: a synced floor list, individual drawing uploads per floor, and conflict-aware point syncing for teams with multiple Instrument Operators. The CAD overlay now renders text, dimensions, and block reference geometry, detects each drawing's unit automatically, and adds sharper snapping precision. Several stability and usability fixes round out the release.

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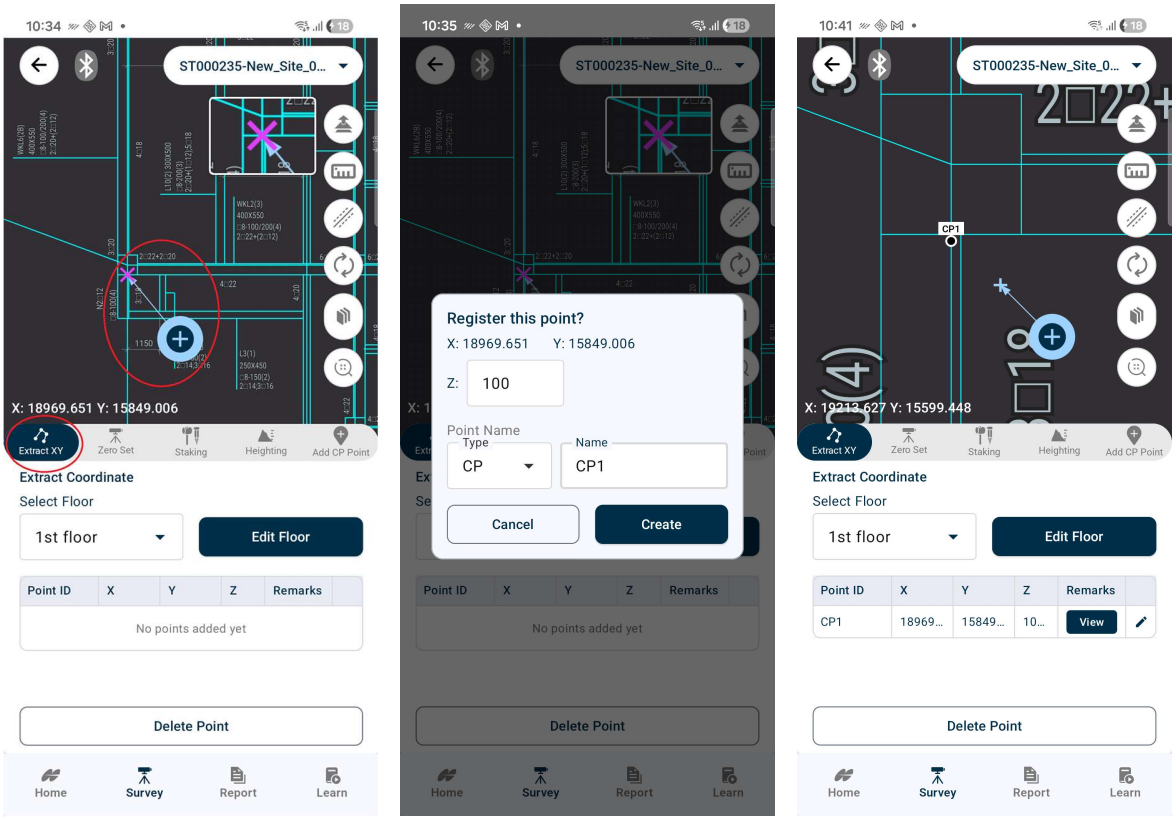
1. Building Sites, Directly on the Map

Building work-type sites previously used a separate, more limited workflow apart from the main map. Version 2.0.0 brings new point registration, measuring, and offsetting tools directly onto the map for Building sites.

What's Included

- A new **Extract XY** tab appears first in the map ribbon for Building sites.
- Building sites using **Local coordinates** show a plain grid instead of map tiles — Local coordinates are measured from the site's own reference point.
- A draggable cursor stays on the map while **Extract XY** is open — tap it to open a **Register** popup and place a point exactly where you need it.
- The cursor snaps to nearby endpoints, midpoints, intersections, and apparent intersections, so points land precisely on real geometry.
- The Register popup sets point type (Control Point or Stakeout Point), a free-form Point ID, and elevation (Z).
- Duplicate Point IDs and locations are now blocked automatically, preventing accidental overwrites.
- A live X, Y readout in the bottom-left corner shows your exact position while the cursor is active.
- **Measure** and **Offset** tools are now available for Building sites, with confirm, cancel, and revert-last-step controls.
- Offset and Measure mode simplify the toolbar automatically, hiding unrelated icons.
- Measure shows the distance between two tapped points.

  Offset creates a new line at a chosen distance and direction from a reference line, with a live preview.



2. Zero Set, Staking, and Heighting for Building Mode

CoordyNavi 2.0.0 completes Building Mode's core surveying workflows, matching what Civil sites already have.

What's Included

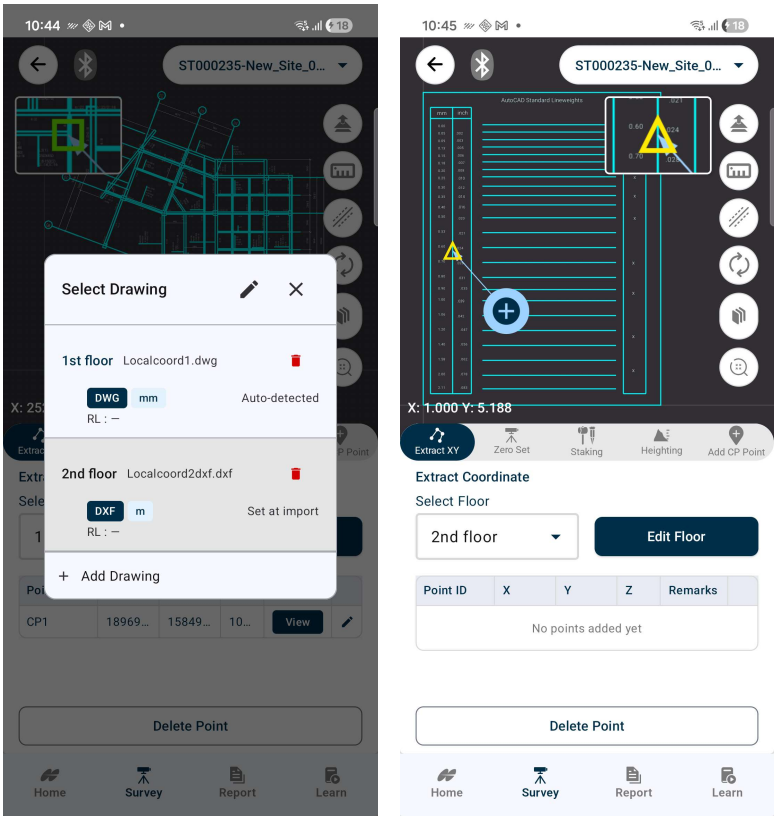
- **Zero Set** supports Backsight and Resection, with a toggle and up to three backsight point fields.
- **Staking** includes a target picker and a live tolerance indicator showing how close you are to the target.
- **Heighting** supports Moving Staff and Stake-and-Scale, each with its own input fields.

3. Multi-Floor Support for Building Sites

Building sites previously had no clear per-floor structure for drawings. Version 2.0.0 keeps the floor list in sync across the team, while each person uploads their own copy of a floor's drawing to start working.

What's Included

- A new **Select Drawing** dialog manages floors and drawings for a Building site.
- The floor list syncs — push and pull — between Instrument Operator and Rodman, so everyone sees the same floors.
- Drawing files aren't synced yet, so both roles can upload their own copy of a drawing to a floor on their own device — an interim step ahead of full file sync.
- Switching floors resets zoom and pan to a clean default view.



4. Team Point Sync

Sites worked by more than one Instrument Operator need conflict-aware point syncing. Version 2.0.0 delivers it.

What's Included

- Points from multiple Instrument Operators on the same site (on Building sites, the same floor) now sync with automatic conflict detection — duplicates and non-conflicting points sync silently.
- Matching Point IDs on different points trigger a review dialog offering an automatic rename, preventing accidental overwrites.
- Syncing now also runs automatically on returning to the Dashboard, switching sites, or signing out — not just on manual Sync.

5. Expanded CAD Drawing Rendering

CoordyNavi's CAD overlay previously rendered only part of a drawing's content. Version 2.0.0 expands what's visible and snappable, and keeps measurements in the right unit.

What's Included

- Text and MTEXT entities now render on the map.
- Dimension entities — the drawing's own measurement annotations — now render too.
- Block reference contents expand into full, snappable geometry.
- A drawing's real-world unit is detected automatically on import, while drawings with undeclared units prompt for confirmation. The supported units are mm, cm, m, ft, and in.
- The Drawing files panel shows each drawing's unit and how it was determined. On Building sites, this appears for each floor in the Select Drawing dialog.
- On Building sites, measured distances and offsets both use the drawing's determined unit.

Notes on Drawing Units

- **Global (UTM) sites:** Use drawings whose coordinates are UTM coordinates in metres. Drawings drawn in local coordinates in inches, millimetres, centimetres or feet (e.g. architectural drawings) are not placed at the correct position or scale on a Global (UTM) site. Use them on a Local site.
- Non-metre drawings imported with an earlier version, including ft-in drawings, do not have the drawing unit applied correctly, so they need to be deleted and imported again.
- On a Local site, mixing drawing units, or using CSV points in metres with a non-metre drawing, gives incorrect resection, stake-out, new CP and heighting results.

6. Snap and Measurement Precision Improvements for Building Sites

Extract XY's cursor and the Measure tool get sharper precision this release.

What's Included

- Snap-to-geometry is always active in Extract XY, so every point locks onto real drawing geometry.
- A zoom preview near the cursor tip confirms the exact snap point before you place it.
- Apparent intersections now show a dashed extension line to the true crossing point.
- Measure can snap to the perpendicular position on a nearby line, confirmed with a right-angle icon — for true perpendicular distance, not just point-to-point.

7. Terms & Conditions and Error Messages

CoordyNavi 2.0.0 also brings two improvements for all users, on every site type.

What's Included

- When the Terms & Conditions are updated, signed-in users are asked to review and accept the new version; declining signs them out.
- Error messages for sign-in, sites, reports, the map, and instrument connection are now clearer and consistent across the app.

8. Bug Fixes Summary

CoordyNavi 2.0.0 includes fixes for the following issues identified after version 1.3.0:

- The app no longer crashes when marking CSV-imported points as synced.
- The app no longer crashes when rotating the screen or leaving the Draw Boundary screen.
- Various other bug fixes and stability improvements.