

LandStar8 FAQ Series

DESCRIPTION

More FAQ's like this one are available here: [[LandStar8 FAQ](#)] Date: 9/24/2022

Filename: Document1

If you have an occupied point (current station) and a backsight point, how do you turn an angle-right and project a distance, then stake or store the solution?

Solution

Before you begin, check and make sure that **Azimuth input mode** is set to **dd.mmsssss**. From the main menu click on the **Blue-guy** (top left corner), then **Software settings > Units > Azimuth input mode = dd.mmsssss**; and **Lat/Lon input mode = dd.mmsssss**.

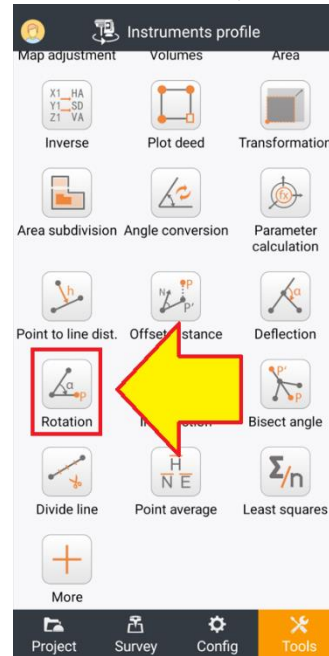
Assume two points:

- 1 100 e, 100 n
- 2 100 e, 200 n



Treat 1 as a backsight (BS), 2 as an occupied station (STN) then project a new point $265^{\circ} 30' 15''$ AR, 150.0 feet from the station.

From the main Tools menu, click on **Rotation**:



The **Rotation** menu will be shown:

Select **2** (STN) as the **A** point, select **1** (BS) as the **B** point, enter **150** as the **AP** distance. Enter the **Rotation angle** in dd.mmss format.

Click on **Calculate**:



Click **Stakeout** to immediately stakeout this point, without adding it to the **Point list**. Click **Save** to add it to the **Point list**.

The results of this computation are:

