

With the release of SurvCE 2.50, the actions of the tracking/search icons at the top of the graphics screen are now standardized across all robotic total stations. This document will describe the new, standardized actions of the icons.

STATUS LABEL

At all times you'll see the status of the instrument at the top left of the screen. This status can vary by instrument, but you may see:

Standby: total station is not locked or tracking on the target. We will still display the current angles at the bottom.

Locked: total station is following the target but is not streaming distances to SurvCE. For Sokkia and Leica instruments, the locked state can save battery life, as the EDM is not firing.

Tracking: total station is locked on the prism, the EDM is firing, and SurvCE is displaying the distances at the bottom of the screen.

Waiting: total station was locked on the prism, but the view has been blocked, and it is waiting to see if it can automatically retain lock

Searching: Total station is actively searching for the prism.

USING THE ICONS

STANDBY



In standby mode, the middle (locked/search) icon will display binoculars, to indicate that pressing it will trigger a search. The tracking icon on the right shows a red-line through it, to indicate that we are not tracking, or displaying distances.

If a "super search" is enabled in the settings, pressing the middle icon will trigger the super search. This is Power search for Leica, and RC search for Topcon or Sokkia. Once the search completes, if the prism is found, the total station will go into a locked state.

From standby mode, if the total station is already looking directly at the prism or is very close, it may be advantageous to go directly into tracking mode and bypass the search. Do this by pressing the tracking icon. This should snap the prism directly into tracking mode if the total station is already looking at the prism. If it is not looking at the prism, some total stations will go directly into a simple search. It is best to use this method only to speed things up if you are already very close to the prism and want to avoid a full super-search.



LOCKED



In the locked state, the middle icon shows the lock image to indicate that the total station is locked on the prism. The tracking icon shows a red-line through it to indicate that the total station is not tracking, and is not displaying distances.

To go from **locked** into **tracking** mode, simply press the tracking icon.

To go from **locked** back into **standby** mode, press the lock icon.



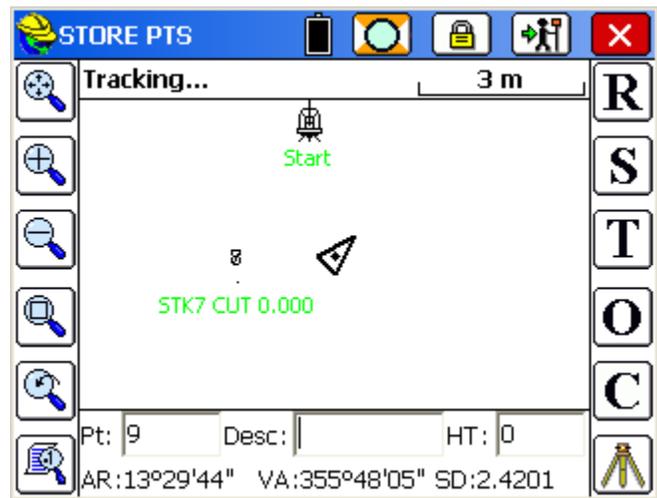
TRACKING



In the tracking state, the middle icon shows the lock image to indicate that the total station is locked on the prism and following it. The tracking icon shows the green arrow, and no red-line, to indicate that we are tracking the prism and actively firing the EDM to show distances. Note that the bottom line now shows the SD label and the current distance.

To go from **tracking** back to **locked** mode, which may save battery life, press the tracking icon.

To go from **tracking** back to **standby** mode, press the lock icon.



OTHER CHANGES

After taking a shot, the new 2.50 will always put a robotic total station into tracking mode, regardless of the previous state of the instrument. This change was made to standardize behavior across all instruments, and because most users do want to continue tracking after taking a reading. As always, we welcome your feedback on this change.

After the shot, if you want to go back to locked, simply press the tracking icon.