



Trigger timing (part 1)

The **pre-trigger** time control and **post-trigger** delay control functions are described individually under **Triggering toolbar**, but the interaction between the two controls is also important to understand. Here is a screen shot of a **scope view** with **post-trigger** delay enabled:

Trigger reference point
Pre-trigger delay control
Post-trigger delay button
Post-trigger delay control

Note 1. The **trigger** reference point (○) does not lie on the waveform. This is because the **post-trigger** delay is set to 200 μs, which means that the **trigger** occurred 200 μs before the reference point, somewhere off the left-hand edge of the **scope view**. The time axis is aligned so that the **trigger** reference point is at 200 μs.

Note 2. The **pre-trigger** delay is set to 25%, which makes the **trigger** reference point appear 25% of the way across the scope view from the left-hand edge.

Note 3. PicoScope limits the **trigger** to-reference-point delay to a multiple of the total capture time. Once you have reached this limit, the program will not let you increase the **pre-delay**, and if you increase the **post-trigger** delay, PicoScope will reduce the **pre-delay** to stop the total exceeding the limit. The multiple is typically 100 in most modes, and 1 in ETS mode.



