





Honeywell 'Trigger Modes' for scanning products

Not all barcode options in this programming sheet maybe supported on every device. Refer to the product user guide for the product's available feature set





1. Manual Trigger mode:

Most scanners will by default work in a manual trigger mode (TRGMOD0.) . To enable this mode / disable presentation mode one of the following barcodes can be used:

Manual Trigger Mode	
Manual trigger Mode is based on what internally is known as Trigger Mode 0  TRGMOD0.	In the User Guide a plug and play code to enable trigger mode 0 for max DOF may be found.  PAPHHF.
	For some products in the User Guide a plug and play code to enable trigger mode 0 for max motion tolerance can be found.  PAPHHS.
	Enhanced for reading from Mobile Phone displays / screens.  PAPHHC.

2. Streaming Presentation mode:



Streaming is a presentation mode where the scanner keeps scanning at full speed. For this the illumination is always ON. The aimer is temporarily activated when the scanner detects a moving object in front of the scanner. The intention of this mode is to be used in environments where high volumes of barcodes are being scanned. To ensure this high throughput, the scanner expects ANSI/ISO grade barcodes, and may struggle or refuse to read out of specification barcodes. To keep the scan engines temperature under control, the illumination can be less intense.

Streaming Presentation Mode	
Streaming Presentation Mode is based on what internally is known as Trigger Mode 8  TRGMOD8.	In the User Guide a plug and play code to enable trigger mode 8 for max DOF may be found.  PAPSPN.
	In the User Guide a plug and play code to enable trigger mode 8 for max Motion Tolerance may be found.  PAPSPE.
	Streaming Presentation mode enhanced for reading from Mobile Phone displays / screens.  PAPSPC.

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3. 'Standard' Presentation mode:

For 'standard' presentation mode or presentation mode, when the scanner is idle it has no or dimmed illumination, and uses predominantly ambient light to detect if an object is moving in front of the scanner. The scanner is expected to reside in a fixed position. Whenever it detects activity in the field of view it will turn on the illumination and attempt to read a barcode. After reading the barcode the illumination will be default remain on for defined period, before it returns to idle state again. See the product user guide for further configuration options for i.e sensitivity, 'after decode LED behavior' and presentation mode specific centering.

Presentation Mode	
<p>Standard Presentation Mode is based on what internally is known as Trigger Mode 3</p>  <p>TRGM03.</p>	<p>In the User Guide a plug and play code to enable trigger mode 3 and some additional settings can be found.</p>  <p>PAPTPR.</p>

Presentation mode is a mode where the operator can work 'hands free' with the scanner, and in order to be read the barcodes are presented to the scanner, without the necessity to pull or press a trigger. For the Honeywell scanners there are various trigger mode variants to optimize the scanner for a specific use case scenario.

Other presentation mode or scan mode related:

- Depending on the scanner model there might be options, to switch between manual and presentation mode when the scanner detects to be in a stand or charge and communications cradle (**In-Stand Sensor mode**).
- To be able to read **difficult to read barcodes** the scanner allows to quickly switching to manual trigger mode by pulling the trigger, while being in a presentation mode. The time the scanner than works in manual trigger mode is configurable with the 'Hands Free Time-out' setting.
- Because the scanner scans really fast, to avoid the scanner reads the same barcode twice while the product is still in its field of view, there is a configurable '**Reread Delay**' for the presentation modes.
- There may be additional **CodeGate** functionality on certain scanners, that when enabled continuously decodes barcodes, but only transmits the barcodes when the trigger is pulled, and hence feels like a manual trigger mode.
- In order to trigger the scanner with **serial commands**, the scanner must be in Trigger Mode 0.
- For both Manual Trigger Mode and Presentation Mode there is a Mobile Phone Read Mode, that optimizes the scanner from reading from **mobile phone screens** and/or LED displays. Using this mode as primary scanning mode, may result in a declined performance on printed barcodes.
- Scan Stand Mode:** is older functionality on legacy scanners . When in Scan Stand mode, the scanner remains idle in a low power state / with no or limited illumination, as long as it has the Scan Stand barcode symbol in sight. It requires sufficient ambient light to be able to see the Scan Stand barcode symbol, and when it does no longer see the Scan Stand barcode symbol because i.e. a regular barcode is preventing that, it switches to regularly scanning with full illumination.
- Multiple symbols:** A manual trigger mode, where it continues to read unique barcodes as long as the trigger is kept pulled. (SHOTGN)