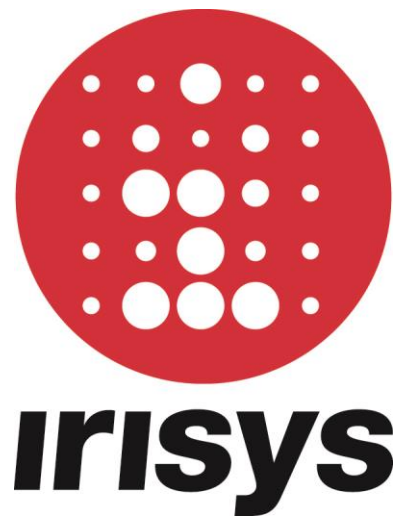


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Irisys People Counters

Technical Bulletin



24th July 2014.

Issue: **07**

Introduction

Welcome to the seventh technical bulletin following hot on the heels of the sixth bulletin from only a few months ago – lots going on!... Mike.

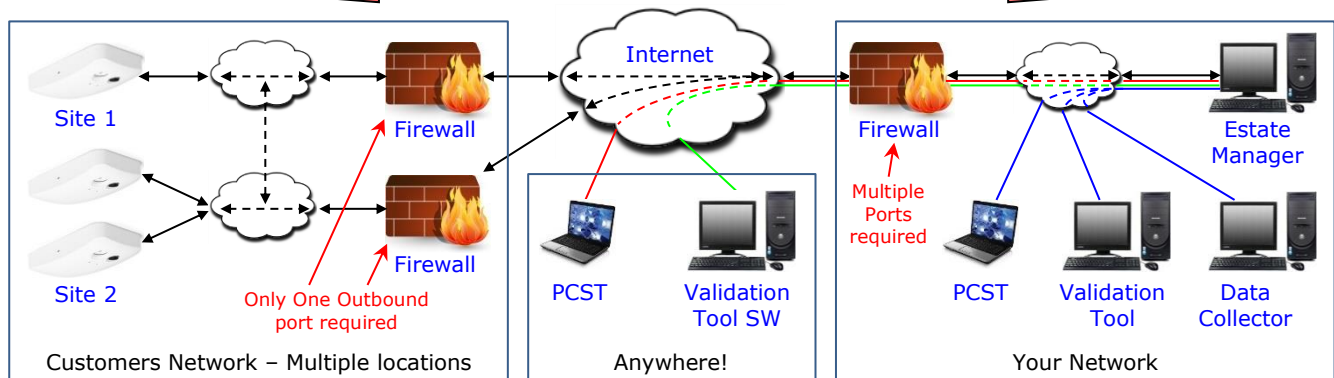
NEW Irisys Estate Manager™ Software Now Available!

This month brings the first official release of Irisys's new software management suite tool – Estate Manager. With Estate Manager you can now view your whole estate of counters, at a glance, no matter where they are in the world, from a single location, and all accessed using an extremely flexible address book system. By also providing remote access to your own server you can now access any counter anywhere in the world from any other location in the world! It allows you to access and configure any counter, whenever you want, as well as run various automatic schedules for backups, firmware updates, and downloads in order to manage the day to day health of the counter estate. Estate Manager provides an early warning system of any problems such as if units get powered down, or disconnected, for example. It can even notify you if someone else makes a change to a counter's settings without your knowledge.

The only thing Estate Manager needs to be able to talk to counters on your customer network is port access out through your customers' firewall from the counter itself - no port access into the customer's network is required – and it can be any available port! The counter is then simply configured with the network address details of the Estate Manager server (in its "Client Connect" settings) and it will connect out through the port and into Estate Manager. Once a connection is established it becomes a two way channel to do anything you want from within Estate Manager.

1. Counter Initiates Connection into Estate Manager

2. Estate Manager accepts connection and two way comms begins



Estate Manager will work with any Irisys IP enabled people counter unit including new Gazelle people counter units and your existing estate of previous generation IRC3010 and IRC3030 IP units. Speak to your sales manager if you're interested in buying or trialling Estate Manager.

NEW Firmware & PCST Software Updates for Irisys Gazelle™ Units!

A firmware update is now available for Gazelle units. This firmware update (42.4.1.550), in conjunction with the new version of the PCST software (4.0.60604.1, also now available) introduces the following new features and improvements:

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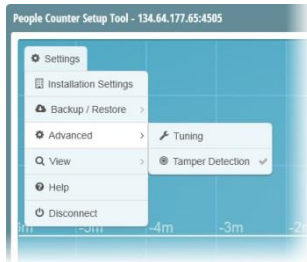
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- Tamper Detection

The new Tamper Detection functionality has been designed to help detect when an Irisys Gazelle unit has been temporarily masked (lens covered) with a view to disrupting the data collection process or biasing the results (for example, by suppressing counts for a small period, a stores daily 'conversion rate' KPI will look much better).



It takes advantage of Irisys's unique ability to detect both vibration and the unusual patterns seen when the counter lens is covered, which are unlike the responses seen when people walk normally under the device. In combination with the new version of the setup tool software a 'Tamper' register can be enabled which logs these events, which a data analyst can then use in order to highlight possible periods of tampering.

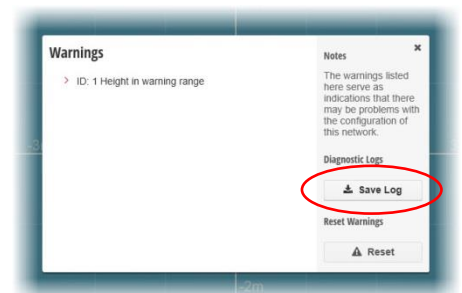
- Input Filtering when used with CAN I/O module

When Gazelle units are used in conjunction with the Irisys CAN I/O module, I/O channels configured as inputs can now be filtered in order to ignore input pulse widths which are too small and/or too large. For example, when channels are being used to log pulses from external beam break systems, setting a suitable lower limit with no upper limit, will identify a likely permanent blocking of the beam.



- Diagnostic Log

The diagnostic log can now be saved. Long-time users of Irisys detectors will remember this option on the older version of PCST and it allows you to save every entry in the devices flash log to a file. Note that this is a lot more information than is displayed under 'Warnings' and reveals a lot more information which may be required by Irisys when requesting support.



- Bug Fixes

Bugs can occasionally be seen in new devices when first introduced, and the Gazelle unit is no exception. Fortunately because we employ lean software development we are able to respond and fix most bugs very quickly and this update does exactly that. This update can be thought of as a critical update as it incorporates IP related fixes which could leave a device in a non-working state in certain configurations. If you employ the DNS and/or hostname settings as part of your installation then you should upgrade to this version of firmware.

The new Gazelle firmware and the new version of PCST are available now from the Irisys partner portal.



Latest People Counter Software/Firmware/API Versions

All the latest versions of Irisys software and firmware are listed below, available from the portal as usual. Items marked with an * have been recently updated.

People Counter Setup Tool (PCST) (SW) (Gazelle & 3000 Series)	* 4.0.60604.1
Validation Tool (SW) (Gazelle & 3000 Series)	* 4.0.60606.2
Gazelle (FW)	* 42.4.1.550
Task Launcher (NEW SW required for updating Gazelle FW)	* 1.0.60722.2
Counter Head, 3000 series (DSP) (FW)	42.4.X.486
IP Counter IP, 3000 series (FW)	4.0.2.31110
IP Counter Web enabled on-board setup tool, 3000 series (PCST) (FW)	3.0.41019.1
Firmware Upgrader II Software (FUII) (for updating 3000 series FW)	1.3.0.7
Harvester (SW)	1.3.41207
Harvester Reporting (SW)	1.3.41207
Irisys USB to serial Adapter drivers	* 2.08.30
.Net API	3.0.40504.01
Win32 API	3.0.40504.01
Linux API	3.0.40504.01
Java API	3.0.50107.01

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