

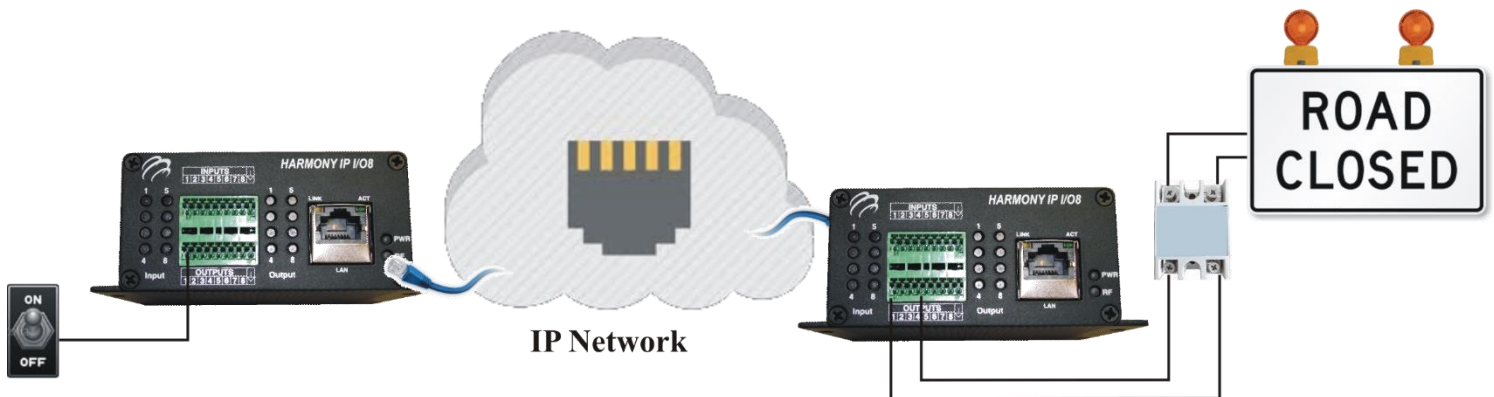
HARMONY FIRMWARE VERSION 5.4.0 NEW FEATURE HIGHLIGHTS

Purpose:

New feature highlights in firmware version 5.4.0 available in all ENCOM's Harmony products

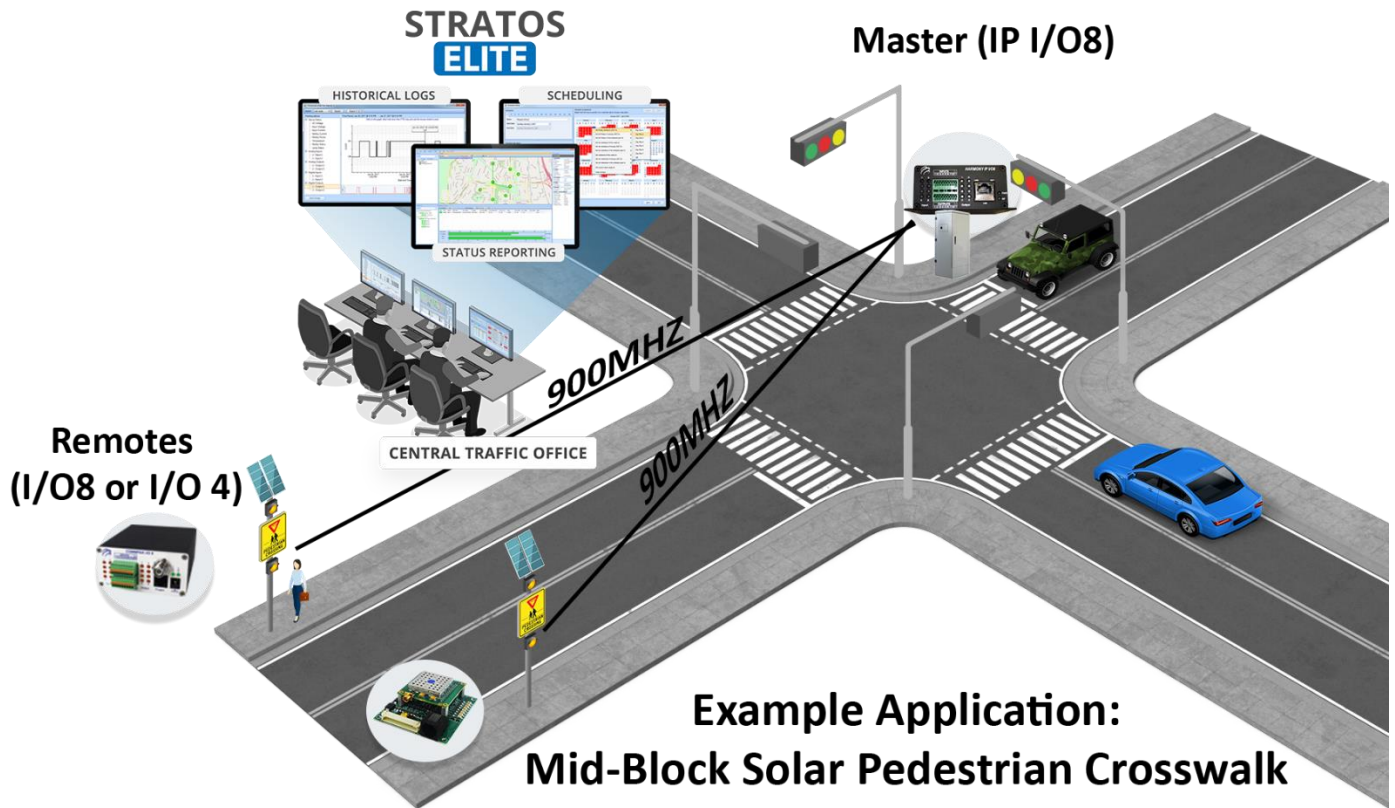
1. Multipoint-to-Multipoint hardware switch ON/OFF control over IP network:

With ENCOM proprietary "I/O Mapping" technologies, any input at any device within the system can be used to control one or more outputs within the entire system, through an IP network AND/OR the optional 900Mhz radio.



The above example shows two HARMONY IP I/O8 devices linked together using an Ethernet connection. A switch on the IP I/O8 device on the left is used to remotely turn the ROAD CLOSED flashers on or off via the IP I/O8 device on the right.

2. Network Capable Pedestrian Push Buttons with COMMPAK I/O8 or I/O4:



With new “**Network Mode**” available in COMMPAK I/O8 & I/O4, information in I/O8 and I/O4 can be transferred back and forth to the Harmony IP I/O8 Master inputs and outputs in real time. At the same time, all this information can also be monitored and overridden by STRATOS IO or STRATOS ELITE software via any network infrastructure available in the traffic cabinet.

Pedestrian count / Call data on each station will be collected and displayed graphically in STRATOS IO or STRATOS ELITE software. Flashers can also be turned ON at pre-programmed times (ex. rush hour) or remotely forced to ON under critical circumstances.

3. SNMP V1, V2 & V3 Protocols Supported:



Simple Network Management Protocol (SNMP) is one of the most widely used protocols to manage and monitor devices and their functions. SNMP provides a common language for network-enabled devices to relay management information within single- and multi-vendor environments in a local area network (LAN) or wide area network (WAN).

With SNMP protocols supported in this new firmware release, it opens up a whole new world of possibilities. ENCOM Harmony devices / systems can easily be added to any existing systems, including, but not limited to, SCADA, IoT and security monitoring applications. Users can keep using their existing software to monitor and control all ENCOM's Harmony devices without sacrificing performance and reliability.