UPC·MARATHON

H$_2$SMART™ / SGS™
Network Setup Manual

CONNECT WITH US

MASTERING
STRENGTH.
WORLDWIDE.

MANUAL #: 109

Revision #	Revision Date	Revision Description

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DISCLAIMER:

The **H2SMART**TM or **SGS**TM is to be used by the industrial operator under his/her direction. UPC-Marathon is not responsible or liable for any product, process, damage or injury incurred while using the **H2SMART**TM or **SGS**TM. UPC-Marathon makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties or merchantability or fitness for any purpose.

TECHNICAL ASSISTANCE

For all questions or concerns regarding the operation of the **H2SMART**TM or **SGS**TM, please consult the last page of this manual for contact information.

When installing a new analyzer, or swapping an analyzer out with a temporary unit for calibration, the IP address of the analyzer must be set for proper communication with the control system.

Requirements:

To set up the IP address of an **H2SMART™** or **SGS™** analyzer the following equipment is needed:
1. PC to connect to the analyzer with a network port and user permissions to set the IP address
2. Network cable

Steps to set the IP address:

1. Determine the IP address of the existing H2Smart and write it down. Depending on the H2Smart version, there are two ways to find the IP:
   - **H2SMART™** Type 1 or 2: Has a single line red display. The IP address is displayed on the display in the startup cycle. Remove and replace the power to reboot the H2Smart, and watch the display.
   - **H2SMART™** Type 3 or **SGS™**: Multi line blue display: The IP address will be displayed on the bottom line of the display.


Swap out the old and new analyzer and determine the existing IP address of the new analyzer once it is powered up.

2. Set the IP address on the computer to a static IP address that has the first three numbers the same as the new analyzer, and the last number different. For example, in the photo from step 1, the H2Smart IP address is 192.168.6.103, the computer could be set to

192.168.6.104. For instructions on setting up the the IP address of the PC, contact your IT department or follow instructions from the web.

3. Disconnect the network cable to the H2Smart and connect a network cable directly to the computer.

4. After the IP address is set and the computer is connected:
    - Type 1 and 2 analyzers can be acessed via the required software – Contact a Nitrex or UPC representative for the appropriate software version
    - Type 3 analyzers have a built in web server for configuration and status.

5. Use a web browser to navigate to the IP address of the Type 3 H2Smart to see the status webpage.
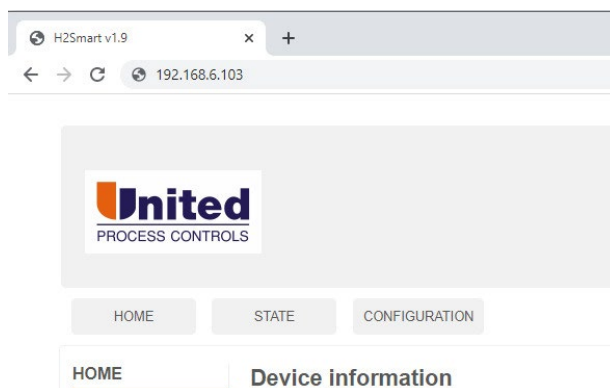
6. Log into the analyzer using the username: admin and password: ammonia

7. Click on the Configuration button

8. Set the new network parameters as needed and press Apply.

9. After applying the settings, a confirmation window will pop up prompting a restart of the analyzer.
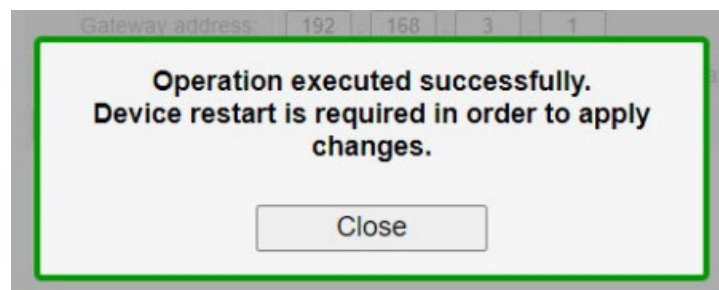
10. Reboot the analyzer for the new settings to take effect

Note that all IP addresses on a single network must be unique. If IP addresses are duplicated, unintended operations could occur including communicaiton loss, or process problems.

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