OMEGA™

Release Notes – v1.8.4

SYNC© – Omega Device Configuration Software

Updated February 16 , 2022

General Remarks

SYNC v1.8.4 release supports the configuration of SS-015 in addition to the devices previously released.

The minimum hardware requirements for SYNC installation are: Dual core CPU 3.2GHz or up, Memory 8GB or up, Hard drive 250GB or up. Some versions of Windows 10 did not have the FTDI device drivers by default. Please follow the installation guides for windows in the FTDI website (https://ftdichip.com/drivers/vcp-drivers/) to download and run the setup program to install the FTDI USB COM port drivers in the computer.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega Engineering support at support@omega.com.

New Features

- SS-015 device

Enhancements

Removed/Retired Features

Bug Fixes

- Global unit conversion

Known Issues and Limitations

- It is known some versions of Windows 10 do not have the FTDI device drivers by default and therefore the USB device does not communicate with SYNC. Please download the USB driver setup program from FTDI (https://ftdichip.com/drivers/vcp-drivers/) to install the COM port drivers.
- Make sure to disconnect devices from other applications such OEG before using SYNC for configurations. **SYNC will not establish the connection when the device communication through USB, Serial port or TCP is active with other applications**.
- SYNC device auto discovery scans all attached USB ports. Non-Omega programable devices could be affected by the scanning. They can be unplugged and re-plugged to disconnect from SYNC if this happens.
- Idle device image will be left in SYNC if the device loses power after connection. It is recommended that the user cycles the device power and refresh the device if it this happens.
- The communication between SYNC and a device may be lost. It is recommended that the user clicks the refresh button to reconnect the device should this happen.

- Please review the device configuration settings after importing the configuration from an external file. It's known that some configurable values could be reset during the loading process.
- Only one SYNC can be launched at a time.
- Device library download requires internet connection. Newer version library requires SNYC to restart after download.

Release History

- SYNC previous release notes included

Release Notes – v1.8.3

SYNC© – Omega Device Configuration Software

Updated August 3rd, 2021

General Remarks

SYNC v1.8.3 release supports the configuration of SP-003-2 smart probe in addition to the devices previously released.

The minimum hardware requirements for SYNC installation are: Dual core CPU 3.2GHz or up, Memory 8GB or up, Hard drive 250GB or up. Some versions of Windows 10 did not have the FTDI device drivers by default. Please follow the installation guides for windows in the FTDI website (https://ftdichip.com/drivers/vcp-drivers/) to download and run the setup program to install the FTDI USB COM port drivers in the computer.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega Engineering support at support@omega.com.

New Features

- SP-003-2 smart probe
- Smart sensor devices firmware download, update and automatically restore configurations after firmware update.

Enhancements

- Global unit setting applies to smart sensor output mapping scaling

Removed/Retired Features

Bug Fixes

- SP-003 device Digital IO configuration

Known Issues and Limitations

- It is known some versions of Windows 10 do not have the FTDI device drivers by default and therefore the USB device does not communicate with SYNC. Please download the

USB driver setup program from FTDI (https://ftdichip.com/drivers/vcp-drivers/) to install the COM port drivers.

- SYNC device auto discovery scans all attached USB ports. Non-Omega programable devices could be affected by the scanning. They can be unplugged and re-plugged to disconnect from SYNC if this happens.
- Idle device image will be left in SYNC if the device loses power after connection. It is recommended that the user cycles the device power and refresh the device if it this happens.
- The communication between SYNC and a device may be lost. It is recommended that the user clicks the refresh button to reconnect the device should this happen.
- Please review the device configuration settings after importing the configuration from an external file. It's known that some configurable values could be reset during the loading process.
- Only one SYNC can be launched at a time.
- Device library download requires internet connection. Newer version library requires SNYC to restart after download.

Release History

- SYNC previous release notes included

Release Notes – v1.8.1

SYNC© – Omega Device Configuration Software

Updated May 5, 2021

General Remarks

SYNC v1.8.1 release supports the configuration of Omega smart sensor technology High Accuracy Non-Invasive(HANI) Clamp Temperature Sensor in addition to the devices previously released.

The minimum hardware requirements for SYNC installation are: Dual core CPU 3.2GHz or up, Memory 8GB or up, Hard drive 250GB or up.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega Engineering support at support@omega.com.

New Features

- HANI Clamp Temperature Sensor

Enhancements

- SYNC uses the latest device drivers downloaded from Omega cloud when the application is launched.

Removed/Retired Features

Bug Fixes

- Sensor alarm does not have output option when the output is mapped or used for other purposes.

Known Issues and Limitations

- SYNC device auto discovery scans all attached USB ports. Non-Omega programable devices could be affected by the scanning. They can be unplugged and re-plugged to disconnect from SYNC if this happens.
- Idle device image will be left in SYNC if the device loses power after connection. It is recommended that the user cycles the device power and refresh the device if it this happens.

- The communication between SYNC and a device may be lost. It is recommended that the user clicks the refresh button to reconnect the device should this happen.
- Please review the device configuration settings after importing the configuration from an external file. It's known that some configurable values could be reset during the loading process.
- Only one SYNC can be launched at a time.
- Device library download requires internet connection. Newer version library requires SNYC to restart after download.

Release History

- SYNC previous release notes included

Release Notes – v1.6.0

SYNC© – Omega Device Configuration Software

Updated Oct 22, 2020

General Remarks

SYNC v1.6.0 release supports the configuration of Omega smart sensor technology devices IF-006 in addition to the devices previously released.

The minimum hardware requirements for SYNC installation are: Dual core CPU 3.2GHz or up, Memory 8GB or up, Hard drive 250GB or up.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega Engineering support at support@omega.com.

New Features

- Supports device library download at runtime

Enhancements

- SYNC device library updates without reinstallation
- Formatted display for transmission interval

Removed/Retired Features

Bug Fixes

- Add a Refresh Interval button to get the device current transmission interval
- Fixed user parameter update for digital probes connected to XW-ED devices.

Known Issues and Limitations

- SYNC device auto discovery scans all attached USB ports. Non-Omega programable devices could be affected by the scanning. They can be unplugged and re-plugged to disconnect from SYNC if this happens.
- Idle device image will be left in SYNC if the device loses power after connection. It is recommended that the user repower and refresh the device if it this happens.
- The communication between SYNC and a device may be lost. It is recommended that the user clicks the refresh button to reconnect the device should this happen.

- Please review the device configuration settings after importing the configuration from an external file. It is known that some configurable values could be reset during the loading process.
- Only one SYNC can be launched at a time.
- Device library download requires internet connection. Newer version library requires SNYC to restart after download.

Release History

- SYNC1.4.3 Release

Release Notes – v1.4.3

SYNC© – Omega Device Configuration Software

Updated September 17, 2020

General Remarks

SYNC v1.4.2 release supports the configuration of Omega smart sensor technology devices SP003-1, SP004-1, SP005-1, SP010-1, SP016-1, SP013-1, SP014-1, IF002 in addition to the devices previously released.

The minimum hardware requirements for SYNC installation are: Dual core CPU 3.2GHz or up, Memory 8GB or up, Hard drive 250GB or up.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega Engineering support at support@omega.com.

New Features

- Supports device password setting [1]
- Supports sensor OnOff control [2]
- Supports advanced user-defined unit and scaling per sensor [3]
- Supports device log data extraction in range and export [4]

Enhancements

- Streamlining sensor unit and display unit
- Login access in the device context menu [5]
- Easy to set up data units [6]
- Easy to define sensor reading gain and offset [7]
- New format in data export files

Removed/Retired Features

- Device User's Manual link is removed from the device attribute list.

Bug Fixes

- Add a Refresh Interval button to get the device current transmission interval
- Fixed user parameter update for digital probes connected to XW-ED devices.

Known Issues and Limitations

- SYNC device auto discovery scans all attached USB ports. Non-Omega programable devices could be affected by the scanning. They can be unplugged and re-plugged to disconnect from SYNC if this happens.
- Idle device image will be left in SYNC if the device loses power after connection. It is recommended that the user repower and refresh the device if it this happens.
- The communication between SYNC and a device may be lost. It is recommended that the user clicks the refresh button to reconnect the device should this happen.
- Please review the device configuration settings after importing the configuration from an external file. It is known that some configurable values could be reset during the loading process.
- Only one SYNC can be launched at a time.

Release History

- SYNC1.4.1: SP003-1, SP004-1, SP005-1, SP010-1, SP016-1, SP013-1, SP014-1, IF002
- SYNC1.2.0: supports XW-ED, XW-ED-PRO, XW-EDA, XW-EDA-PRO, SP-001-0, SP-001-1, SP-002-0, SP-002-1, CN616A, DP606A/DP612A [8]
- SYNC1.0.0: supports CN616A, DP606A/DP612A

Notes 1, 2, 3, 4, 5, 6, 7: Features are available only to the Omega smart sensor technology devices.

Note 8: Some of the screen shots included in SYNC 1.2.0 User Manual are taken from Smart Sensor technology device user interfaces. Please refer to the version 1.0.0 user manual for CN616A, DP606A/DP612A user interfaces