



Quick Start Synchronous Operation
Jenny Science
XENAX® Xvi EtherNet/IP® and
Studio5000® Logix Designer

Version 1.0.0

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EtherNet/IP™

XENAX® Ethernet servo controller with
EtherNet/IP® Busmodul

Document Summary

The goal of this quick start manual is to demonstrate the cyclic synchronous operation mode with Jenny Science axes. Two demo applications are available for this purpose.

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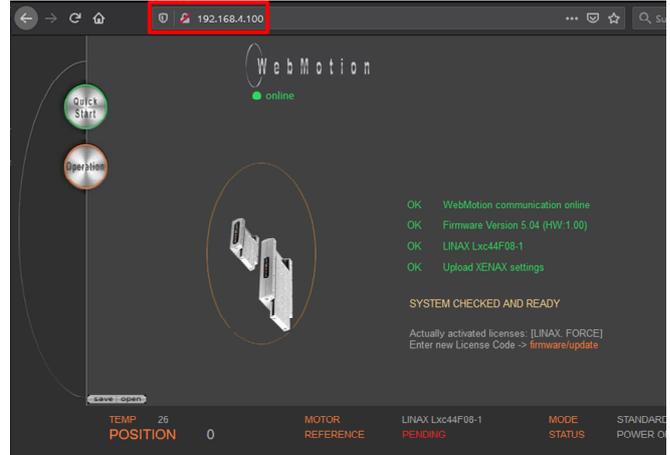
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1 Firmware update

The XENAX® firmware as well as the Busmodule firmware must be updated to the required version or newer. The currently installed version can be seen in Webmotion. Enter the IP address of the XENAX® in a browser to open Webmotion.

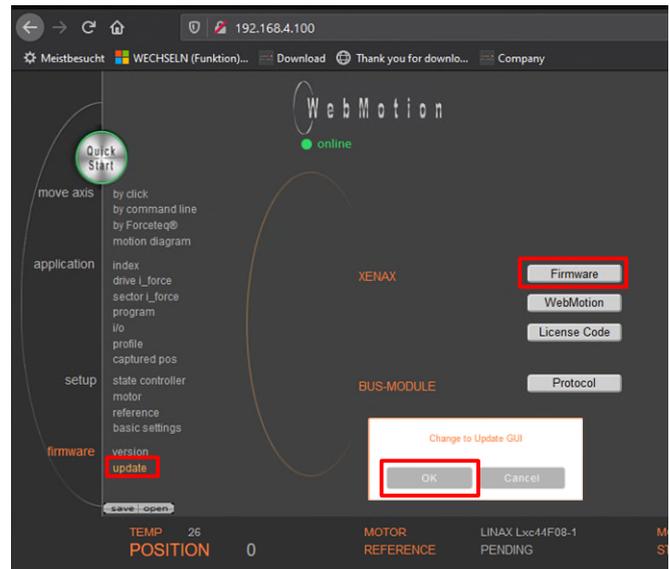
	required version
XENAX®	5.04
Busmoudl	2.16

Follow this chapter to update the XENAX® to the required firmware version. This chapter can be skipped if this version or a newer one is already installed.

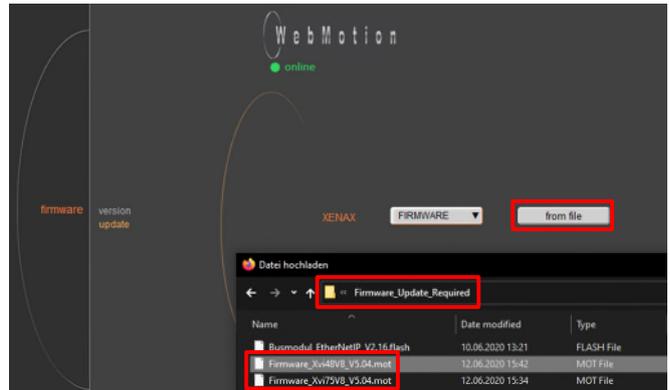


1.1 XENAX® Firmware update

Under firmware -> update ->XENAX® press Firmware.



Update from file und select firmware Xvi48V8 or Xvi75V8 depending on your XENAX® version.



Wait until the firmware is downloaded.



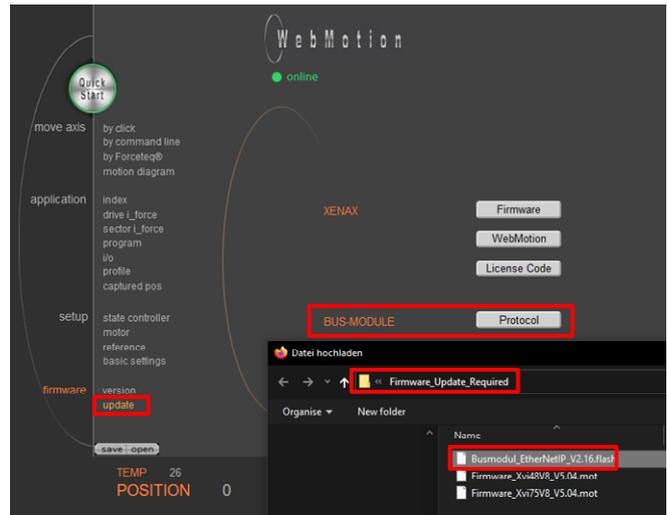
Exit update GUI.



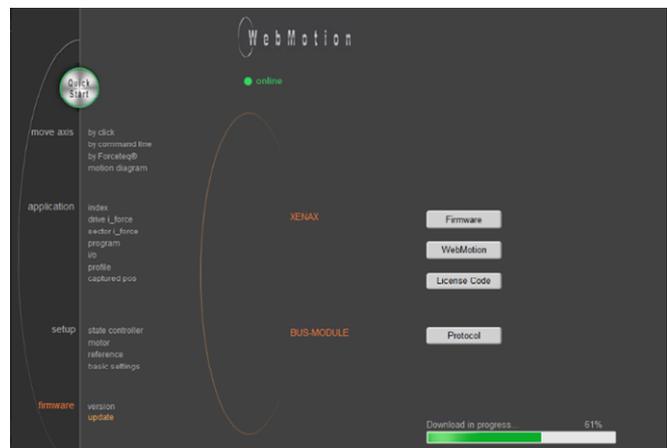
1.2 Busmodul Firmware update

Under firmware -> update -> Bus-Module press Protocol.

The requested Busmodule firmware can be found in the firmware folder.



Wait until the download is finished. The XENAX® will restart automatically after the download.

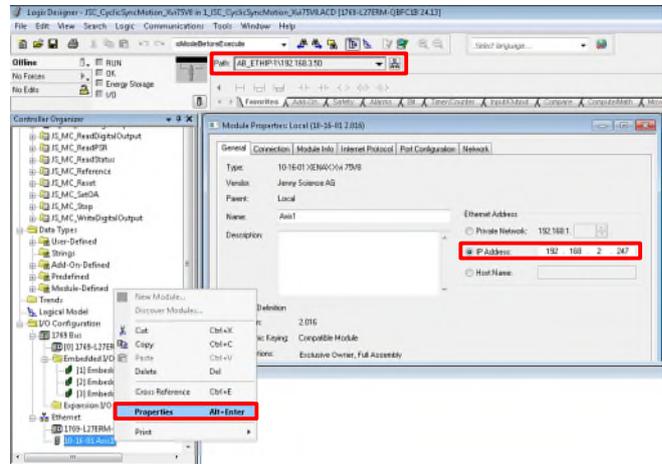
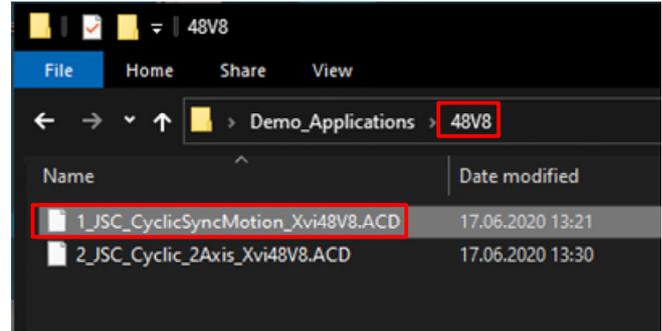


2 Run Demo Application

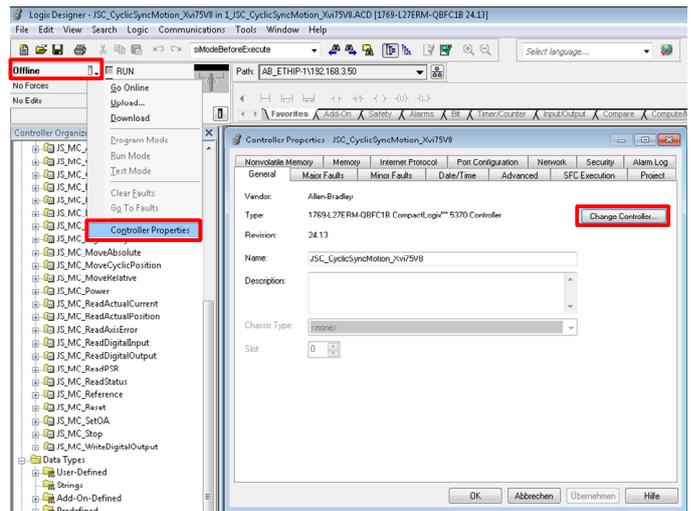
In the “Demo Application” folder, select the subfolder which matches with your XENAX® model.

There are 2 demo applications available. Start with the simple one.

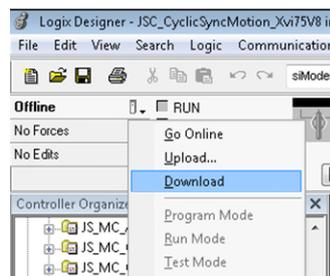
Change the IP Address of the XENAX® axis as well as the Path to the PLC.



Change the controller type.



Download the demo application to the PLC. The first demo application move the axis between two positions. The second demo application draws circles as shown in the [video](#).



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