



Dongle



LOGIX 520MD+

License and Upgrade Dongle

Purpose and Application

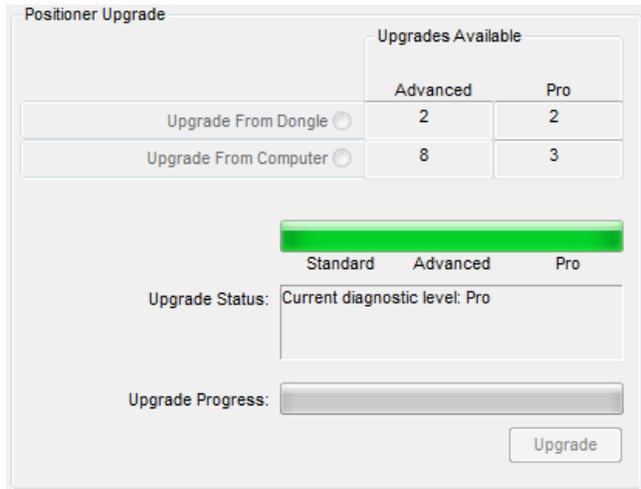
The License and Upgrade Dongle can be used to upgrade positioners and license a DTM for advanced features.

Positioner Upgrade Function

The dongle has the capability of holding positioner upgrades. This is useful to allow any computer the ability to upgrade a positioner.

There are two types of upgrades, Advanced and Pro. Advanced upgrades allow a Standard positioner to be upgraded to Advanced, enabling the pressure sensor features. Pro upgrades allow an Advanced positioner to be upgraded to Pro, enabling all of the diagnostic capabilities of the positioner.

To upgrade the positioner using the dongle, plug the dongle into the computer. The computer must have the ability to communicate with the position using the DTM. Open the DTM and locate the Positioner Upgrade page. With the dongle attached, the number of upgrades on the dongle will be shown. Select Upgrade From Dongle and then the Upgrade button. The positioner will be upgraded to the next level and the number of upgrades remaining will be decremented by one.



Positioner upgrades can be supplied with the dongle at the time of purchase. Positioner upgrades can also be transferred to the dongle from the DTM on a computer that has upgrades available. To apply positioner upgrades to a dongle, see the Positioner Upgrade Management screen in the DTM.

DTM License Function

The dongle can also be purchased with a portable Advanced DTM license. To enable, the Advanced DTM license, plug the dongle into a USB port and start the DTM. The DTM will have all of the features included with the Advanced DTM license until the dongle is removed.



Dongle



Service Dongle

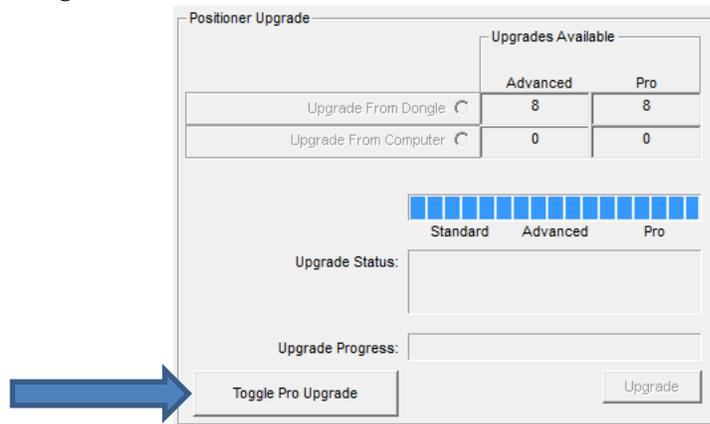
Purpose and Application

The Service Dongle can be used by Flowserve Service Technicians and allows them to have

- Temporary upgrade to ValveSight Advanced DTM license.
- Temporary access to the Pro diagnostic functions.

Occasionally, during a service call, the source of an issue might be found more quickly if the technician could see the trends, pressures, friction, pneumatic leak, actuation ratio, or have access to other data or functions that are available with a positioner that is upgraded to have Pro diagnostics. All positioners constantly evaluate and keep diagnostic information even when not upgraded. When the user upgrades the positioner, the Pro diagnostic information is instantly available. With this procedure, the positioner temporarily acts as if it were upgraded to have Pro diagnostics. Some diagnostics will run only after the friction calibration is performed. The upgrade lasts 90 minutes, after this time the positioner switches back to its original diagnostics level.

- 1) Use a License and Upgrade Dongle that is labeled with “Temporary Positioner Upgrade”. Plug the dongle in the USB port of the computer that runs the ValveSight DTM.
- 2) In the DTM, view to the Configuration / Positioner Upgrade page. With the dongle in place, the Toggle Pro Upgrade button will appear.
- 3) Click the Toggle Pro Upgrade button once to enable the Pro diagnostics on the positioner for 90 minutes. After 90 minutes, the positioner will revert to the original upgrade level.
- 4) If additional time is needed, simply click the Toggle Pro Upgrade button again.
- 5) After obtaining the desired information, click the Toggle Pro Upgrade button again to allow the positioner to revert to the original upgrade level.
- 6) Remove the dongle.



The Service Dongle is limited to Flowserve Service Technicians, and cannot be purchased by end-users.



Dongle



LOGIX 520MD+

Dongle Model Code

A model code can be generated by using the below Product Nomenclature Listing.

- Please note that only HART, MD+ is available right now.

	MD+ Dongle
<i>Product Nomenclature Listing</i>	
<input type="checkbox"/> POSITIONER PROTOCOL	
<ul style="list-style-type: none"> H - HART F - FOUNDATION FIELDBUS P - PROFIBUS M - MODBUS 	
<input type="checkbox"/> POSITIONER	
<ul style="list-style-type: none"> -MD+ - LOGIX MD+ -SP3 - STAR PAC3 	
<input type="checkbox"/> DTM LICENSE	
<ul style="list-style-type: none"> -N - DOES NOT INCLUDE ADVANCED DTM LICENSE -T - TECH FEATURES -Y - INCLUDES ADVANCED DTM LICENSE 	
<input type="checkbox"/> ADVANCE POSITIONER UPGRADES	
<ul style="list-style-type: none"> -XXX - NUMBER OF ADVANCED POSITIONER UPGRADES. 3 DIGITS(010) EQUALS 10 UPGRADES 	
<input type="checkbox"/> PRO POSITIONER UPGRADES	
<ul style="list-style-type: none"> -XXX - NUMBER OF PRO POSITIONER UPGRADES. 3 DIGITS(010) EQUALS 10 UPGRADES 	

Notes:

EXAMPLE MODEL NUMBER H-MD+-Y-005-010

HART PROTOCOL, LOGIX 500MD+, ADVANCED DTM LICENSE, 5 ADVANCED POSTIONER UPGRADES AND 10 PRO POSITIONER UPGRADES