Direct LOGIC PLUS

Due to the popularity of our *Direct*LOGIC driver object and other features included in the Lookout*Direct* software package, we are pleased to offer *Direct*LOGIC PLUS for National Instruments Lookout.
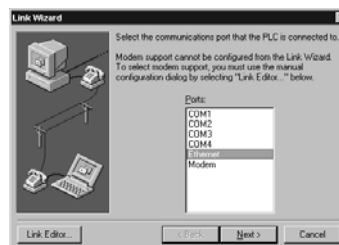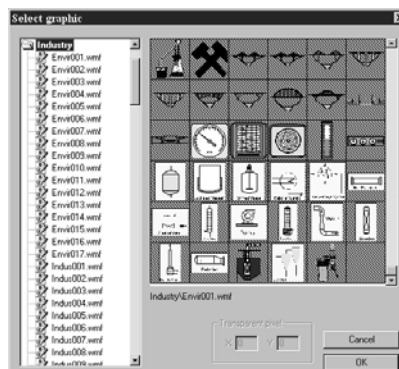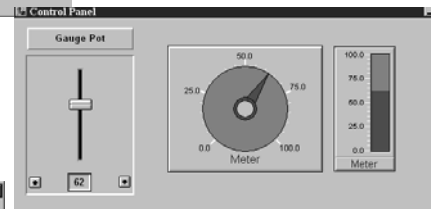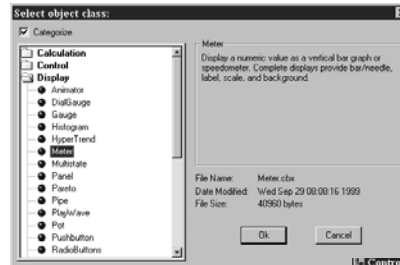
Overview

*Direct*LOGIC PLUS enables National Instruments Lookout users to add on the exclusive features of Lookout*Direct*. The main features included are:

- *Direct*LOGIC Driver Object — this enables users to connect to *Direct*LOGIC PLCs via Ethernet and serial using either K-sequence or *Direct*Net protocol.
- Meter Object — an easy-to-use and scalable dial gauge or bar graph type display for monitoring any numeric signal.
- Over 300 graphics — additional graphics install into the appropriately defined folders in a scalable .wmf format.

*Direct*LOGIC driver object features

The Driver Object is the biggest feature and the driving force behind this product. The Ethernet connection to ECOM modules that is included is the best feature because of the high speed and flexibility it provides your application.

- Allows for connection to DL05/06 DL205 and DL405 ECOMs
- Connection to DL105 and DL305 PLCs
- Capability of using *Direct*SOFT and Lookout simultaneously over the same cable (driver versions must match)
- Link Wizard automatically identifies CPU and configures your settings

Part Number	Price	Description
PC-DL-PLUS	<--->	*Direct*LOGIC PLUS Driver Object for National Instruments Lookout Software. Allows for connection from Lookout to the *Direct*LOGIC line of PLCs

Lookout*Direct* System Requirements

One of the nice things about Lookout*Direct* software is that it can easily run on industrial PCs or inexpensive, off-the-shelf PCs. The software comes on CD-ROM so your development system PC will need a CD-ROM drive. Run-time systems do not require a CD-ROM drive, but if they don't have one they will need a network connection to load the run-time engine and application.

System requirements

- Windows 98/2000, XP-compatible (2000 or XP Pro recommended) (Does not support Windows Vista.)
  Minimum:
    Pentium/Celeron 233 Mhz
    32MB RAM
  Recommended:
    Pentium/Celeron 333 Mhz
    64 MB RAM or greater
- 50 MB available hard drive disk space
- CD-ROM drive
- Color monitor, with at least 640x480 resolution
- USB port

Ordering the software

Development package — includes one Development Environment license, one Run-time Engine license, one key that supports development or runtime, and all drivers.

Run-time package — includes one run-time engine license, one run-time key, and all drivers.

You need to purchase one Development Package for each PC used for application development.

If the PC used in your run-time application is not your development PC, you also need to purchase a Runtime Package for the HMI PC.

Hardware key — The hardware key must be connected to a USB port for the software to run.

Defining the software pieces

Development environment — is used to develop and debug the control application program (like *Direct*SOFT in the case of PLCs). You can use the Development Software on one PC to create many different projects which can run on many Runtime Engines.

Run-time engine — is like the firmware in the CPU of a PLC. This software will run the application for your process.

Part Number	Price	Description
PC-LKD-DEV	<--->	Lookout*Direct* Development package
PC-LKD-RTE	<--->	Lookout*Direct* Runtime package
PC-LKD-DEVUPG (See description below)	<--->	Lookout*Direct* Development package upgrade
PC-LKD-RTEUPG (See description below)	<--->	Lookout*Direct* Runtime package upgrade
PC-DL-PLUS	<--->	*Direct*LOGIC Plus Driver Object for National Instruments Lookout Software. Allows for connection from Lookout to the *Direct*LOGIC line of PLCs

PC-LKD-DEVUPG — LookoutDirect Version 4.5 Development Package upgrade. Upgrade development package for any LookoutDirect 3.8.x to Version 4.51 or higher. Includes software on CD-ROM and manual.

PC-LKD-RTEUPG — LookoutDirect Version 4.5 Runtime Package upgrade. Upgrade runtime package for any LookoutDirect 3.8.x to Version 4.5 or higher. Includes software on CD-ROM and manual.

PLC Overview
DL05/06 PLC
DL105 PLC
DL205 PLC
DL305 PLC
DL405 PLC
Field I/O
Software
C-more HMIs
Other HMI
AC Drives
Motors
Steppers/ Servos
Motor Controls
Proximity Sensors
Photo Sensors
Limit Switches
Encoders
Current Sensors
Pushbuttons/ Lights
Process
Relays/ Timers
Comm.
TB's & Wiring
Power
Circuit Protection
Enclosures
Appendix
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