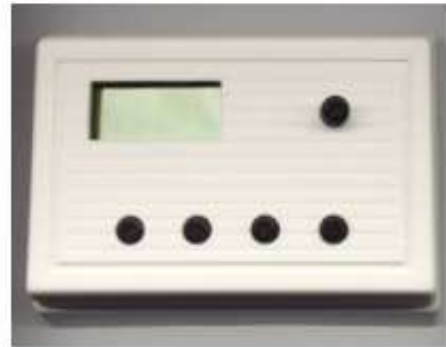


# XLOGNET Driver Manual

Tecnotrol LogicNET Communication Protocol Driver



LogicWARE  
Smart-25  
LogicKPD  
LogicPAK



## CPKSoft Engineering

Process Monitoring and Industrial  
Automation Software

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# 1. Introduction

CPKSoft Engineering assumes no responsibility for any errors that may appear in this document. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

This driver is included with all unlimited licenses of TAS-HMITalk. It is not sold separately. It requires the TAS-HMITalk ActiveX to work, therefore it cannot be used as a stand-alone driver.

If you use this driver in your applications, you need to include the xlognet.tlk in the set of files that you distribute. This file must be located in the same folder where the hmitalk.ocx file is registered in order to be found by the activex when the applications are executed.

The source-code for the xlognet.tlk driver is available in plain-C language for additional USD 299 if you own a license of TAS-HMITalk 8.04 or higher.

Refer to the following link to visit the xlognet driver page at CPKSoft Engineering website: <http://www.cpksoft.com/tabid/55/ProductID/63/PageIndex/1/Default.aspx>.

Visit this link if you want to see a complete list of drivers that are currently available for TAS-HMITak: <http://www.cpksoft.com/Drivers/tabid/55/Default.aspx>.

Also, refer to this link if you are interested in purchasing a license of the most recent version of TAS-HMITalk: <http://www.cpksoft.com/Products/tabid/54/Default.aspx>.

We welcome your comments about this document. You can reach us by e-mail at [contact @ cpksoft.com](mailto:contact@cpksoft.com).

## 2. Driver details

### 2.1. Driver overview

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XLOGNET driver allows you to connect with Tecnotrol controllers of the LogicWARE family using the LogicNET direct connection and network communication protocol.

Suggested COM port settings are 9600 bauds, no parity and 1 stop bit. Suggested ScanInterval for this driver is 3000 ms (3 sec).

### 2.2. Supported devices

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This driver can communicate with these devices, but is not necessarily limited to this list:

- TECNOTROL LogicWARE Family Controllers
- TECNOTROL Smart25 UTBI Controllers
- TECNOTROL LogicKPD Controllers
- TECNOTROL LogicXXX Controllers
- TECNOTROL LogicPAK Controllers

## 3. Command list

### 3.1. Read Multiple Items

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**Description of this command:**

Reads a group of item values from a given slave or bridge.

**Type of data handled by this command:**

Analog Input

**Number of points accepted by this command:**

1-80

**Meaning of the DriverP0 parameter:**

Source address (0-255)

**Meaning of the DriverP1 parameter:**

Destination address (0-255)

**Meaning of the DriverP2 parameter:**

Auxiliary table number (0-4)

**Meaning of the DriverP3 parameter:**

Starting item number (0-255)

**Values that are returned:**

Value in PointValue (0) = First item value (0-65535)

Value in PointValue (1) = Second item value (0-65535)

- ...

Value in PointValue (n-1) = Last item value (0-65535)

### 3.2. Write Single Item

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**Description of this command:**

Assigns a new value to a given item in a slave or bridge.

**Type of data handled by this command:**

Analog Output

**Number of points accepted by this command:**

1

**Meaning of the DriverP0 parameter:**

Source address (0-255)

**Meaning of the DriverP1 parameter:**

Destination address (0-255)

**Meaning of the DriverP2 parameter:**

Auxiliary table number (0-4)

**Meaning of the DriverP3 parameter:**

Target item number (0-255)

**Meaning of the DriverP4 parameter:**

New Item Status (0-1)

**Values that are sent:**

Value in PointValue (0) = New item value (0-65535)

## 4. Appendices

### 4.1. Error messages

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The following list shows all the possible error messages that can be returned by the protocol driver during a failed communication in the 'DriverStatus' property.

This list does not include some error messages that can be returned by the activex component while attempting to establish a connection.

- [1005] DRIVER (Internal): Invalid driver stage
- [1300] PROTOCOL (Timeout): No answer
- [1433] PROTOCOL (Format): Validation error in device response
- [2002] CONFIG (DataType): Digital inputs are not supported by this driver
- [2003] CONFIG (DataType): Digital outputs are not supported by this driver
- [2147] CONFIG (NumValues): Only one value can be read or written
- [2236] CONFIG (NumValues): Too many values (max=80)
- [2244] CONFIG (NumValues): Too many values for selected P3
- [3044] CONFIG (P0): Invalid source address (0-255)
- [3549] CONFIG (P1): Invalid destination address (0-255)
- [4016] CONFIG (P2): Invalid auxiliary table number (0-4)
- [4569] CONFIG (P3): Invalid starting item number (0-255)
- [4572] CONFIG (P3): Invalid target item number (0-255)
- [5014] CONFIG (P4): Invalid item status (0-1)

### 4.2. Keywords list

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The following list shows a set of words directly related to this driver.

"Communication, Controllers, LogicKPD, LogicNET, LogicPAK, LogicWARE, LogicXXX, Smart25, TECNOTROL, UTBI".