

TECH NOTE :: ClipX integration in Delphi

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Brief description

This is a short description of how to integrate ClipX into a Delphi application. The communication is via a TCP-IP socket connection. The request data is send via Ethernet port 55.000 to ClipX (for more information, see ClipX operating manual chapter 8.1).

There are three command options:

Command	Syntax	Parameters	Response
Making Settings	SDO p1, p2, p3 LF	p1 = Index; p2 = Subindex; p3 = Wert	0: No error ?: Error, both followed by CRLF.
Reading Settings	SDO? p1, p2 LF	p1 = Index; p2 = Subindex;	Requested value or parameter ?: Error, both followed by CRLF.
Reading (binary) data from the internal FIFO	RMB? LF	---	Header data and all user data of the FIFO, followed by CRLF. The FIFO is cleared following the output.

Hint: You can also use CRLF in place of LF.

Example: Reading a gross measurement value

Command: SDO? 0x44f0,4LF
Response: 1500.496CRLF

➔ The gross measurement value is 1500.496

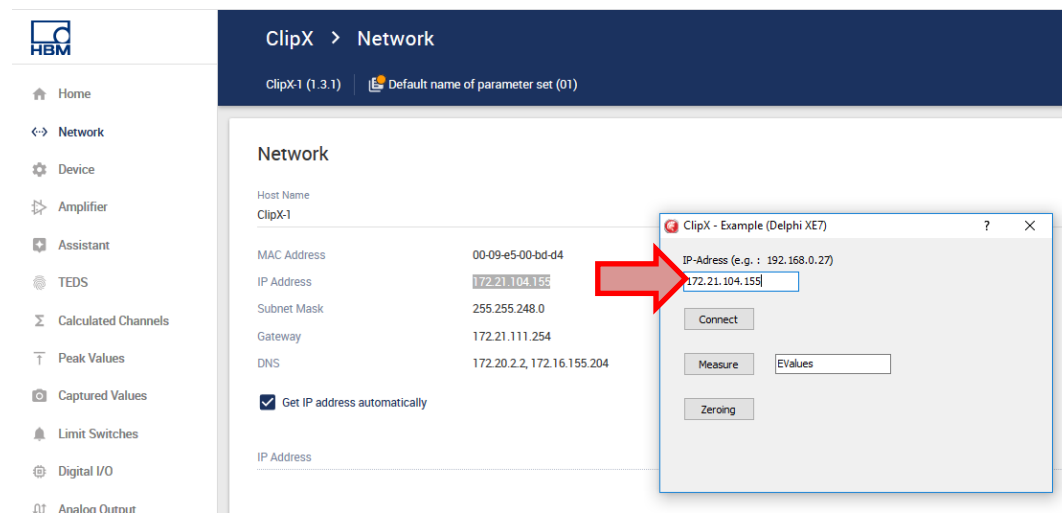
Delphi application

This application is just a little example or can be used as template for further implementations.

It can be integrated and executed via the source code in the Delphi XE7 development environment or can be started as an EXE file (Project1.exe) for demonstration purposes.

It has the following functions:

- Enter the ClipX IP address and click 'Connect'



- 'Measure' provides a single measurement value
- 'Zeroing' zeroes the measurement value

Disclaimer

These examples are for illustrative purposes only. They cannot be used as the basis for any warranty or liability claims.