Preliminary

Instruction Manual

MSX-Exxxx and LabVIEW 8.5

DIN EN ISO 9001:2000 certified

Product information

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Warning

The following risks result from improper implementation and from use of the product contrary to the regulations:

Personal injury

Damage to the module, PC and peripherals

Pollution of the environment

◾ **Protect yourself, the others and the environment!**

◾ **Read carefully the safety precautions (yellow leaflet).**

If this leaflet is not with the documentation, please contact us and ask for it.

◾ **Observe the instructions of the manual.**

Make sure that you do not forget or skip any step. We are not liable for damages resulting from a wrong use of the product.

◾ **Used symbols**

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IMPORTANT!
Designates hints and other useful information.

WARNING!
It designates a possibly dangerous situation.
If the instructions are ignored the module, PC and/or peripheral may be **destroyed**.

WARNING!
It designates a possibly dangerous situation.
If the instructions are ignored the module, PC and/or peripheral may be destroyed and persons may be injured or killed.

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Contents

Figures

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1 Introduction

This document describes the following:

- How to import the Web Service of an Ethernet module MSX-Exxxx in LabVIEW 8.5
- How to use the Web Service
- How to receive data from the socket

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2 How to import the Web Service of MSX-Exxxx in LabVIEW 8.5

■ Start LabVIEW and go to the diagram window.

■ Go to "Tools\Import\Web Service".

Fig. 2-1: „Diagram" window
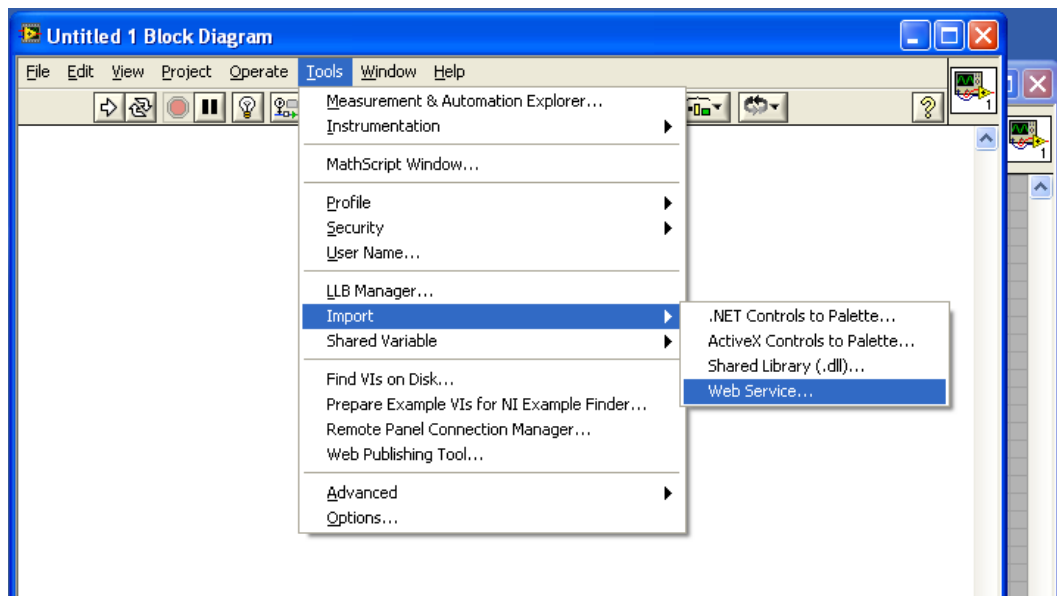
The first "Import Web Service" window appears.

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Fig. 2-2: "Import Web Service": WSDL URL
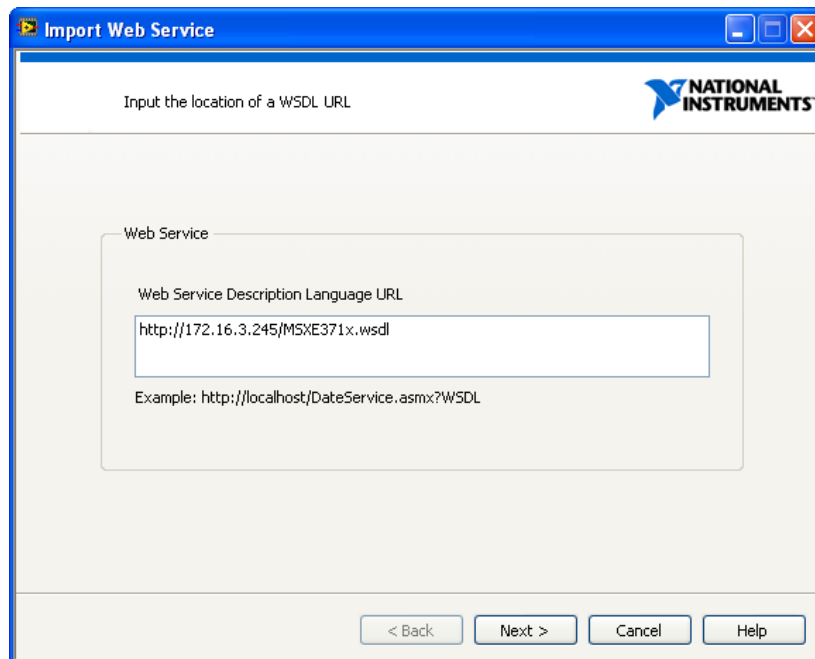
🔹 Enter the Path of the WSDL file.

🔹 Click on "Next".

The next "Import Web Service" window appears.

Fig. 2-3: "Import Web Service": User name and password

■ Enter the user name (mxadmin) and password (mxadmin) to access the web server.

■ Click on "Next".

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Fig. 2-4: "Import Web Service": Library and destination directory
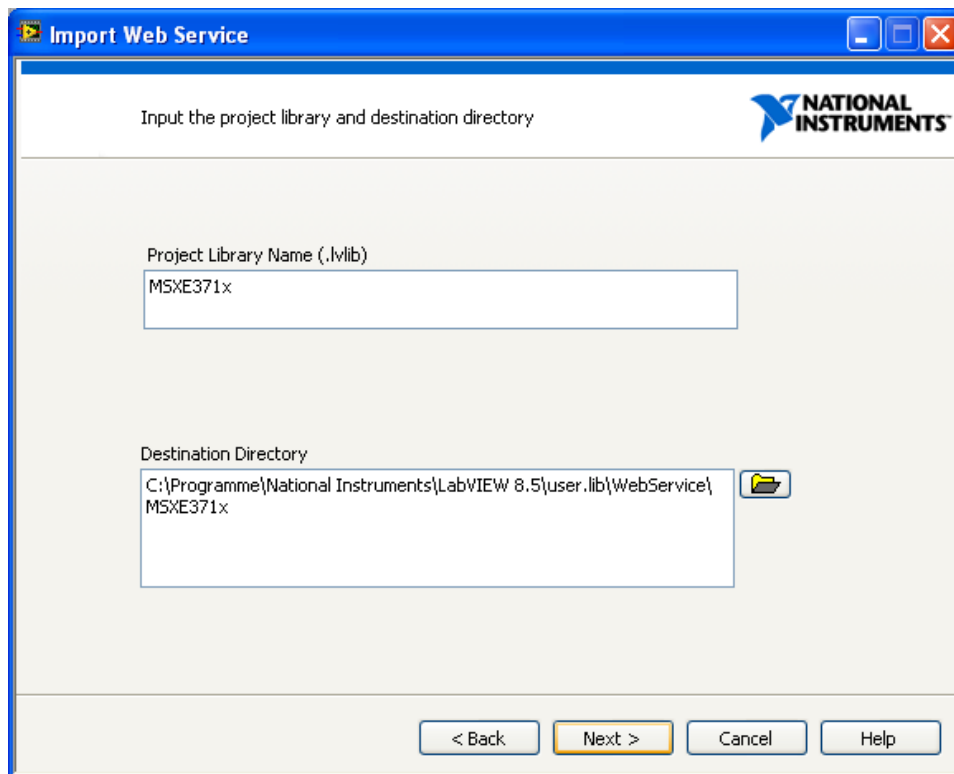
■ Click on "Next".

A window to select the method you want to import appears.

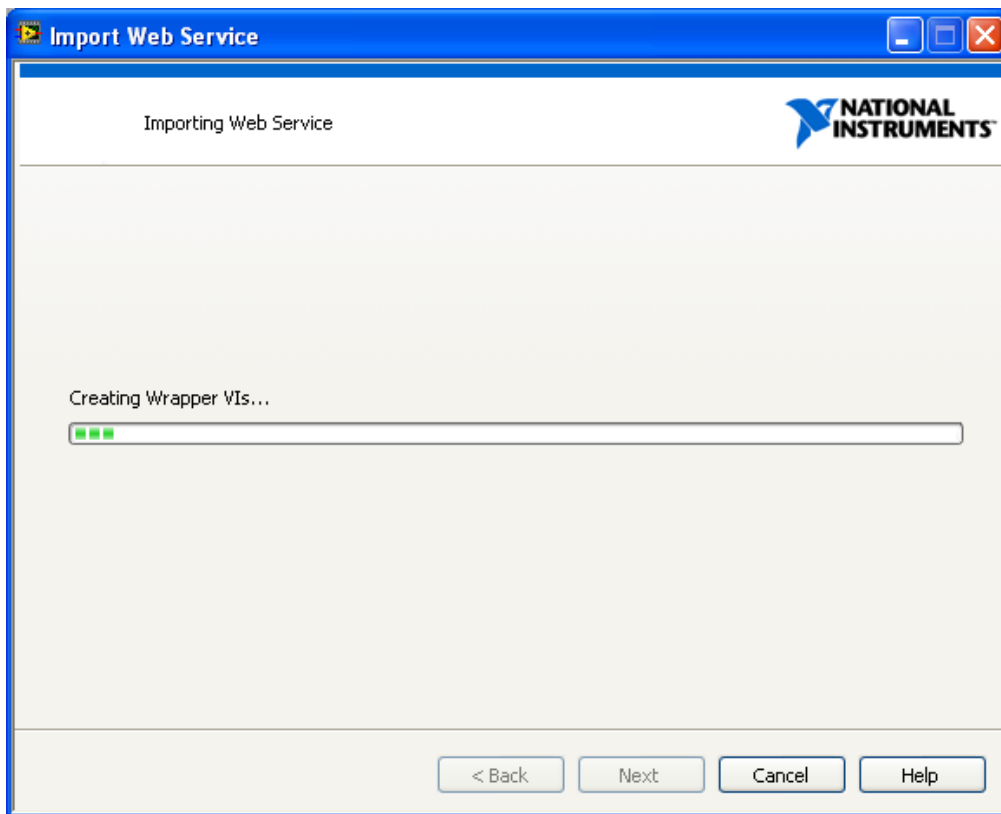**Fig. 2-5: "Import Web Service": Methods to import**
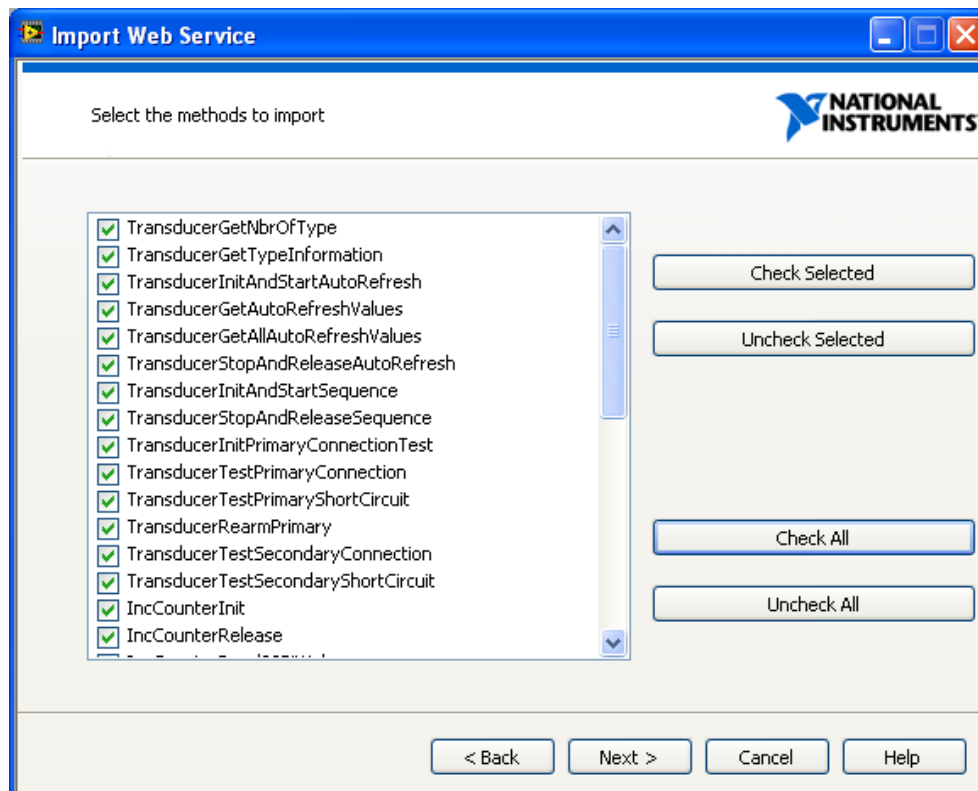
■ Select the method (=function) you want to import (we selected all the functions).

■ Click on "Next".

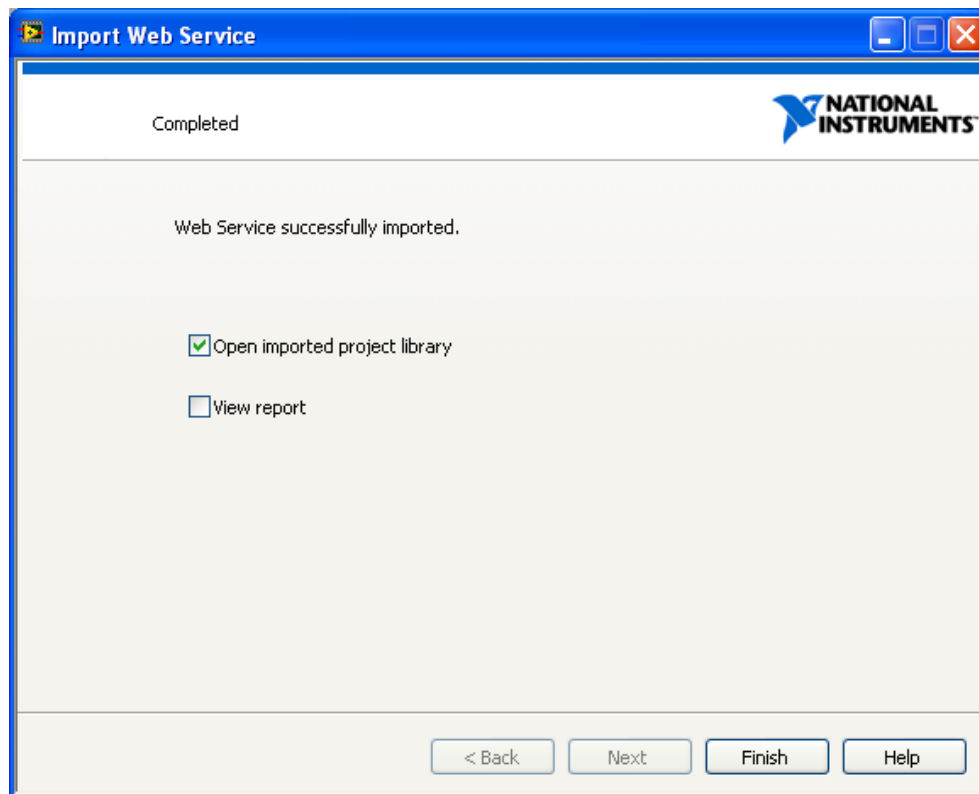**Fig. 2-6: "Import Web Service": Summary**
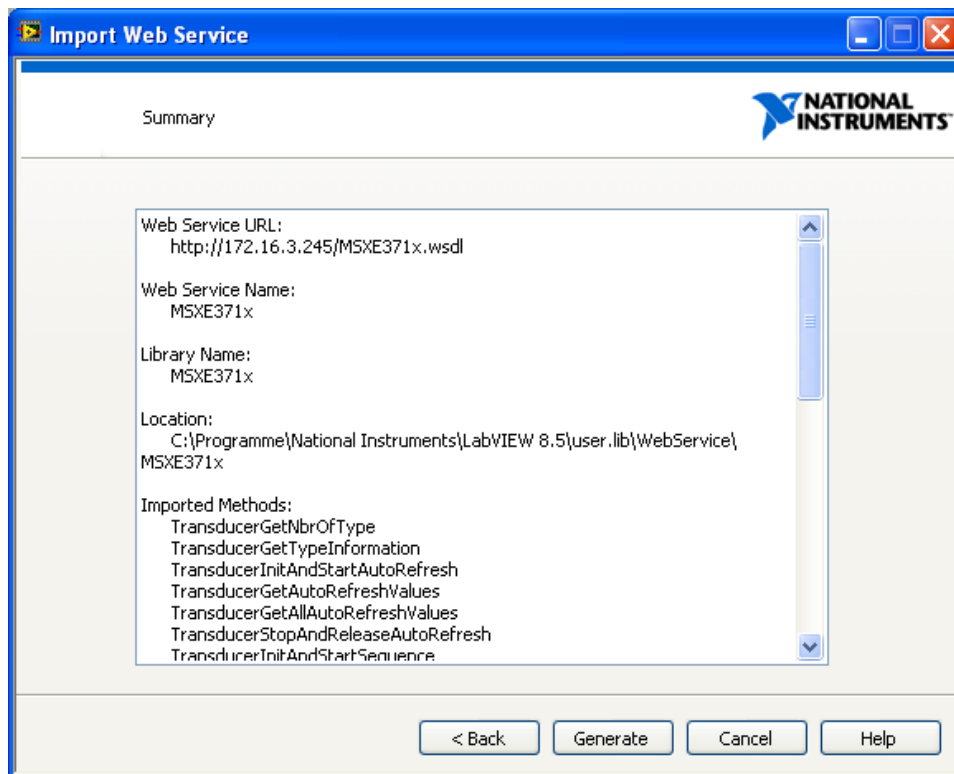
■ Click on "Generate"

LabVIEW generates a Wrapper Library with the desired functions.

Fig. 2-7: "Import Web Service" Creating a Wrapper Library

As soon as the import is completed, the following window appears.
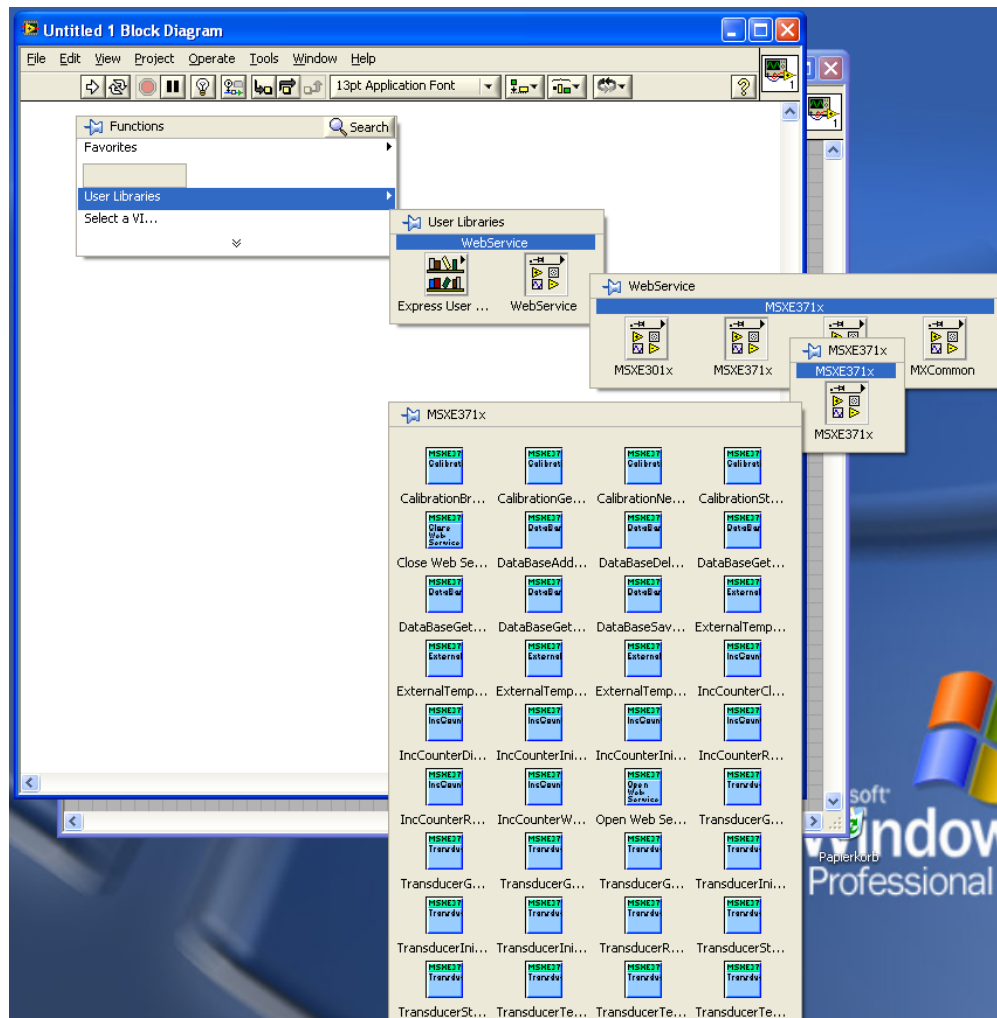
Fig. 2-8: "Import Web Service": Completed

■ Click on "Finish".

■ Restart LabVIEW to be able to use the Web Service.

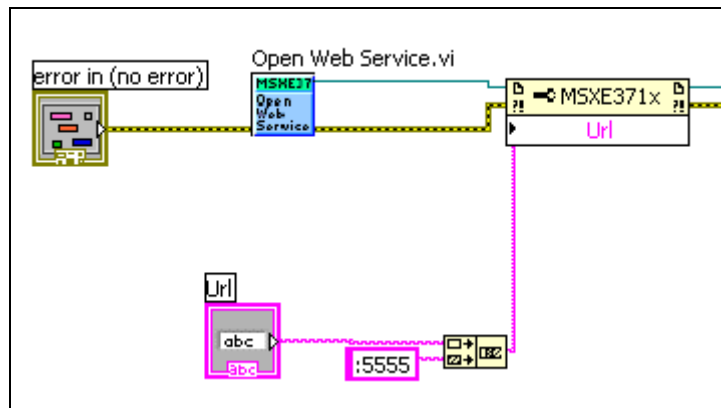# 3 How to use the Web Service in LabVIEW 8.5

After a restart of LabVIEW you will find the new Web Service functions in the user library:

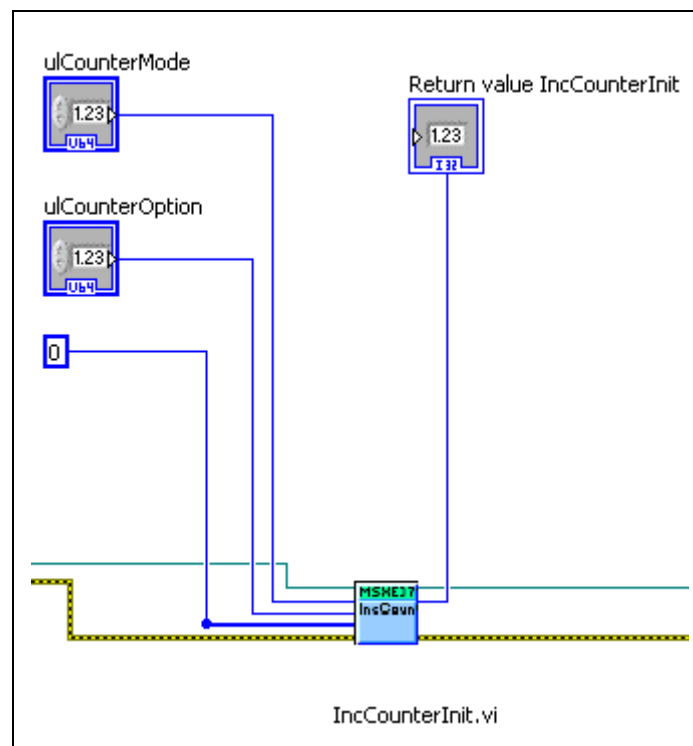**Fig. 3-1: "Web Service": User library**

If you want to use it:

■ At first, open the Web Service.
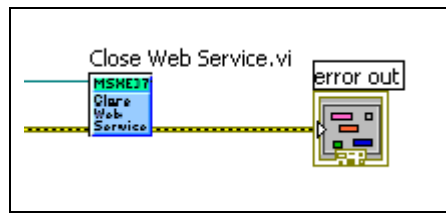
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Fig. 3-2: Open the Web Service

Then you can use the other functions:

Fig. 3-3: Using the other functions: Example
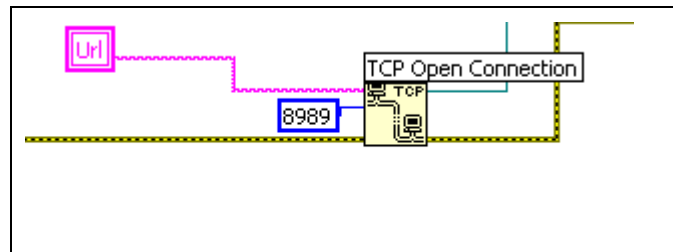

At the end of the application:

🔹 Do not forget to close the Web Service

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Fig. 3-4: Closing the Web Service
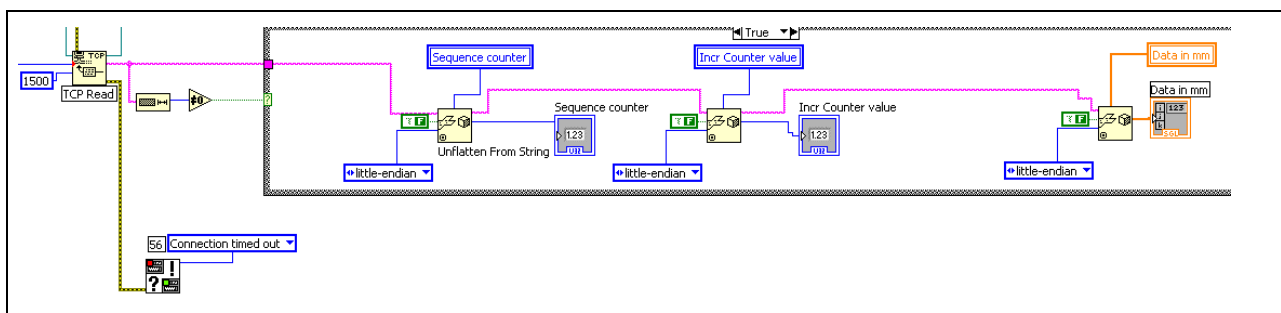
4 How to receive data from the socket

■ Open a TCP socket connection

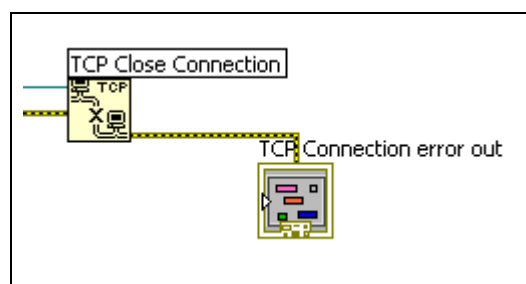**Fig. 4-1: Opening a TCP socket connection**

Now you can read the values from the socket:

Fig. 4-2: Reading values from the socket

■ Do not forget to close the TCP connection.

Fig. 4-3: Closing the TCP connection

5 Contact and support

Do you have any questions? Write to us or phone us:

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Manual and software download on the internet:

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