Teseo-Suite

PC testing tool for the Teseo family of GNSS modules

Quick Testing Guide

v. 0.4
# Quick testing guide - contents

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Quick testing guide - introduction

1. Introduction
2. A quick test script – step by step
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Teseo Suite as test program

• Teseo-Suite is a valuable tool to test and evaluate the features of Teseo GNSS modules

• It has an internal scripting language which allows automatizing test scripts for Teseo GNSS receivers

• Let’s see how it can help evaluate Teseo GNSS solutions
Connects your Teseo platform (see more)
1 Open Test Plan from menu
2 Test Plan panel will appear
Test plan panel description

Select the port on which the scripts will run

Test manager

Test script editor

Build and result log views
Quick testing guide - introduction

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A quick test script – step by step

1. Add Test 1 script
2. Enable Tests List
3. Edit the Test 1 script:
   
   SEND "$PSTMSRR"

4. Enable the COM
5. Compile the test
A quick test script – step by step

1. Add the test in the Execution Chain
2. Run the test
3. Check the result

You wrote and executed your first test script
Quick testing guide – advanced scripts

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4. Documents & related resources
Use the SEND keyword to send the NMEA command:

SEND “NMEA_cmd”

1. Add the command
2. Compile
3. Run
4. Check the result
Test scripts can be delayed using the DELAY keyword (time in ms):

1. Add the command
2. Compile
3. Run
4. Check the result
Use the WAITFIX keyword to evaluate the TTFF (timeout in ms):

WAITFIX timeout

1. Add the command
2. Compile
3. Run
4. Check the result
Use the LOOP/ENDLOOP keywords to iterate N-times over a block of instructions:

```
LOOP N
  commands
ENDLOOP
```

1. Add begin-loop keyword
2. Add end-loop keyword
3. Compile
4. Run the test
5. Check the result
WAITFOR_CONTROL keyword

Use the WAITFOR_CONTROL keyword to wait for a NMEA message.

WAITFOR_CONTROL NMEA_msg, timeout

1. Add WAITFOR_CONTROL keyword
2. Compile
3. Run the test
4. Check the result
Select Help menu or access the online **Teseo-Suite User Manual** for the complete list of commands supported in the Test-Panel.
Documents & related resources

All documents are available on: www.st.com

• Teseo III: Webpage
  • Data-sheet of all PNs;

• Teseo modules: Webpage
  • Data-sheet of all PNs;

• Teseo Suite: Webpage
  • Datasheet
  • Install program
Now you can develop your GNSS solution with ST Teseo II, ST Teseo III and ST Teseo Modules using the Teseo-Suite PC software tool to explore all the available features.