



Price list: 206(2)/24 (ISOtest)

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ISOtest

Product information and price list

Content

1. Purpose and description	2
2. Annual Subscription and tool unlock.....	15
3. Pricing and terms.....	15





1. Purpose and description

ISOTest is a suite of tools that can be used to mainly test Task Controllers (TCs) and Virtual Terminals (VTs), but also several other ISOBUS functionalities. The applications included in the suite simulate real ISOBUS Working Sets / Clients:

- Configurable-Implement (TC DDOP variety testing)
- ISO-MAN (VT Performance testing)
- System-Validation-Test (SVT, general testing of all functionalities)
- System-Validation-Test AUX-Inputs A (ISOBUS AUX-N Joystick)
- System-Validation-Test AUX-Inputs B (ISOBUS AUX-N Joystick)
- System-Validation-Test AUX-Inputs C (ISOBUS AUX-N Joystick)

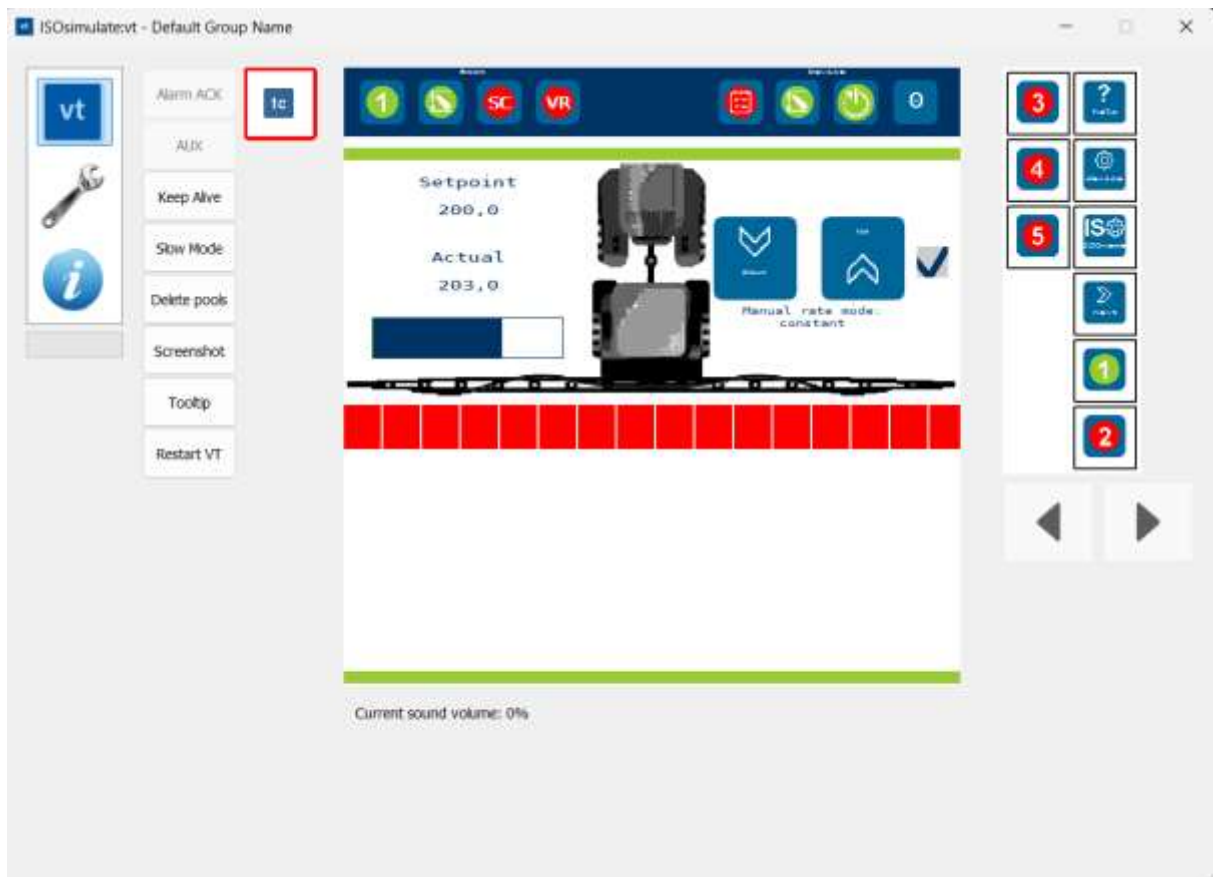
1.1. Key features

- **AEF Functionalities:** The applications included in the ISOTest suite provide testing apparatuses for UT, TC, FS, ISB, INFO, TECU and AUX-N AEF Functionalities.
- **Connectivity:** ISOTest can be connected to a real physical ISOBUS CAN bus setup (using a variety of USB to CAN adapters) or running purely virtual with even a simulated CAN network, resulting in development of customer applications completely independent of any real hardware (CAN, terminal, etc.)
- **Configurability:** Each ISOTest application offers a variety of configuration options like Manufacturer Name, Device Class/Function, etc. Most notably the Configurable-Implement allows configuration of the number of bins, booms, sections, DDI type and geometry as well as the usage a any given DDOP from an existing ISOXML.
- **Intuitive Visual Interface:** The visual interfaces offered by ISOTest's various applications allow the user to configure their testing parameters with ease and experience the exact performance and behavior of an implement on a simulated or real ISOBUS stack, such as ISOSimulate:vt as a virtual test environment or by connecting to a physical ISOBUS Virtual Terminal.
- **Standard:** ISOTest is implemented according to the appropriate ISO 11783 standard, proving to be a reliable tool for development and testing purposes.
- **Multi-Instance:** ISOTest applications can be executed simultaneously, with each instance configured using different settings. This approach allows users to conveniently run and test under various conditions and distinct settings, allowing rapid testing and flexible testing environments.

1.2. ISOtest tool suite modules

ISOtest Configurable-Implement

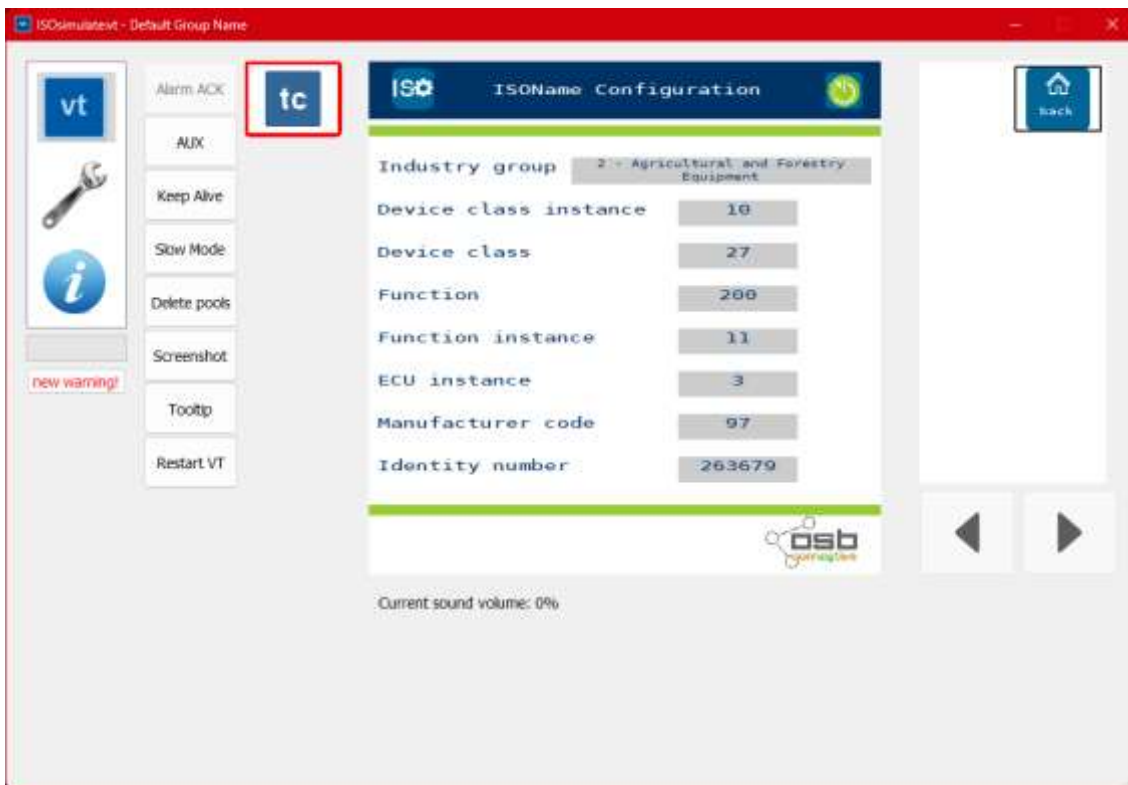
is a locally run ISOBUS implement simulation that allows extreme levels of configurability for thorough testing of a wide array of ISOBUS functionalities. It can be run on a completely virtual environment utilizing a local CAN server and any assortment of ISOBUS network simulators, such as the complete ISOsimulate suite, or through any arrangement of connected physical devices and simulated devices with an appropriate CAN-server, drivers, and physical connectors. Configurable-Implement supports 5 separate Booms with a combined maximum of 255 sections, completely configurable Rate Data Dictionary Indexes, VT and TC server capability detection and automatic configuration, customizable Rate Device Value Presentation, implement name configuration and testing, and an easily digestible user interface.



ISOtest: Configurable-Implement: main screen within ISOsimulate:vt



ISOtest: Configurable-Implement: rate configuration (above), NAME configuration (below)



ISOsimulate:tc - Default group name

Active task name: -

Control Prescription Totals Active Task

Information

Connector: ISOtest:configurable implement - 1 Connector Offsets: X: 0 mm Y: 0 mm Z: 0 mm

Section control

Boom: ISOtest:configurable implement - Fun 1 Boom Offsets: X: 0 mm Y: 0 mm Z: 0 mm

SCS Turn On [ms]: 0 Override - 0 + Number of sections: 16

Test SC Turn Off [ms]: 0 Override - 0 +

Section num	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Width [mm]:	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Offset x [mm]:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offset y [mm]:	-3750	-3250	-2750	-2250	-1750	-1250	-750	-250	250	750	1250	1750	2250	2750	3250	3750
Offset z [mm]:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turn on [ms]:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turn off [ms]:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Rate control

Control channel: #00 - Fun 1

Assigned product: None

PCS Map layer: [0] Section Control Grid size: 50m x 50m

Actual 203 Target 200 Override 0

Send

SCS/PCS legend

- Server:Manual Client: Manual
- Server:Auto Client: Manual
- Server:Manual Client: Auto
- Server:Auto Client: Auto

+ Center Complete - Clear Cov

ISOtest Configurable-Implement: Main screen within ISOsimulate:tc, acting like a real TC-Client

ISOsimulate:tc - Default group name


tc

Devices list:

DWC-1
 ISOtest:configurable implement
 Software version: alpha release
 Client name: a36c85b0c2405ff
 Serial number: Serial #2712
 Structure label (hex): 00313074736554
 Structure label (string): Test01
 Localization label: FF0000000000E65

DWC-2
 ISOtest:configurable implement
 Software version: alpha release
 Client name: 0
 Serial number: Serial #2712
 Structure label (hex): 00313074736554
 Structure label (string): Test01
 Localization label: FF0000000000E65

Save Diagram



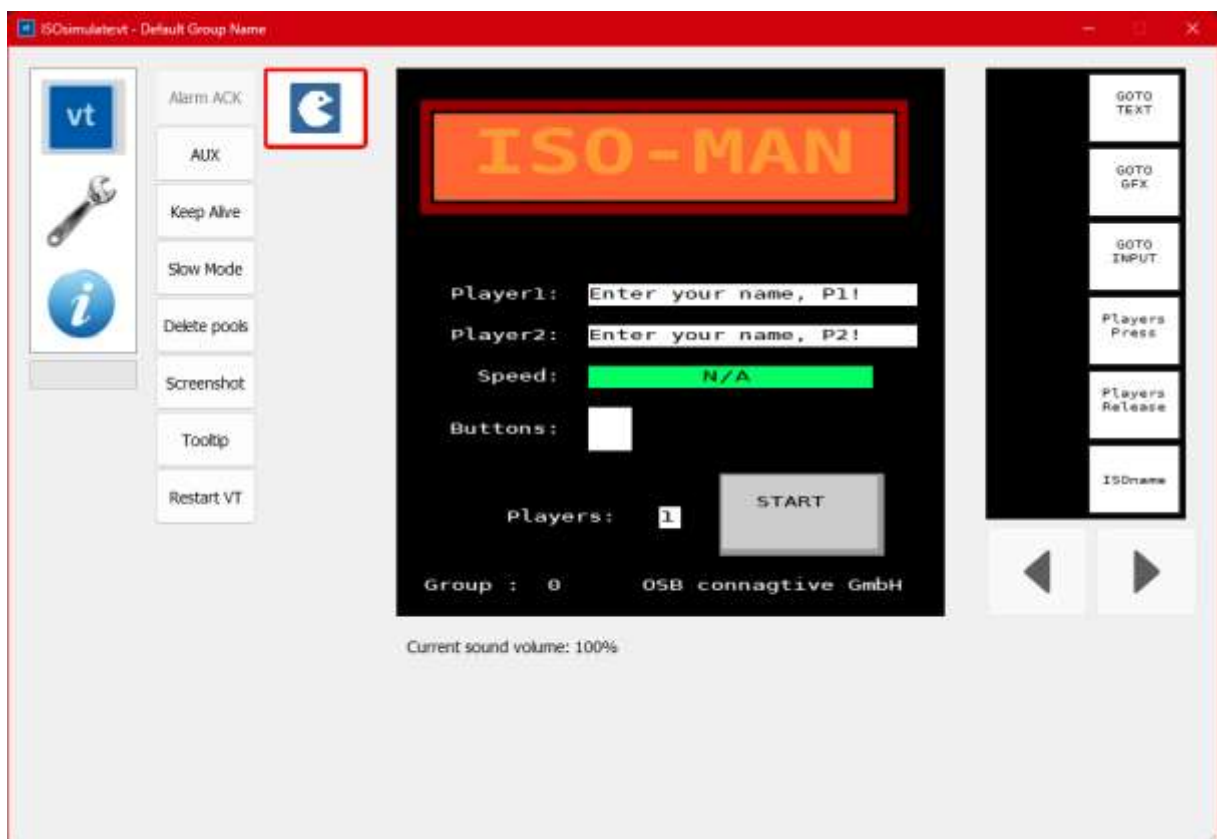
		Fun 1			
Type	ObjID	Label	DDI - Hex	DDI - Dec	Properties
DPD	1289	Workstate	8d	141	DC
DPD	1294	Setpoint Rate	1	1	SDT
DPD	1299	Actual Rate	2	2	DT
DPD	1304	Width	43	67	DT
DPD	1309	Total volume	58	86	SIT
DPD	1314	Total area	74	116	SIT
DPD	1319	Total distance	75	117	SIT
DPD	1324	Total time	77	119	SIT
DPD	1329	Rate control state	9e	158	SOC
DPD	1334	Section control state	a0	160	SOC
DPD	1339	Actual condensed work state	a1	161	SDCT
DPD	1429	Lifetime total area	10f	271	DIT
DPD	1434	Lifetime total distance	110	272	DIT
DPD	1439	Lifetime total time	112	274	DIT
DPD	1444	Setpoint condensed work state	123	290	SDCT
DPD	1524	Lifetime total volume	145	325	DIT
DPD	1529	Section turn on time	cd	205	DC
DPD	1534	Section turn off time	ce	206	DC
DPD	1539	Proprietary 1	e000	57344	SD--
DPD	1544	Proprietary 2	e001	57345	SD--
DPT	2826	Boom offset X	86	134	0
DPT	2834	Width	46	70	12000

		Sect DET			
Type	ObjID	Label	DDI - Hex	DDI - Dec	Properties
DPD	1294	Setpoint Rate	1	1	SDT
DPD	1299	Actual Rate	2	2	DT
DPT	1558	Y Offset	87	135	-250
DPT	2827	Section offset X	86	134	0
DPT	2846	Width	43	67	500

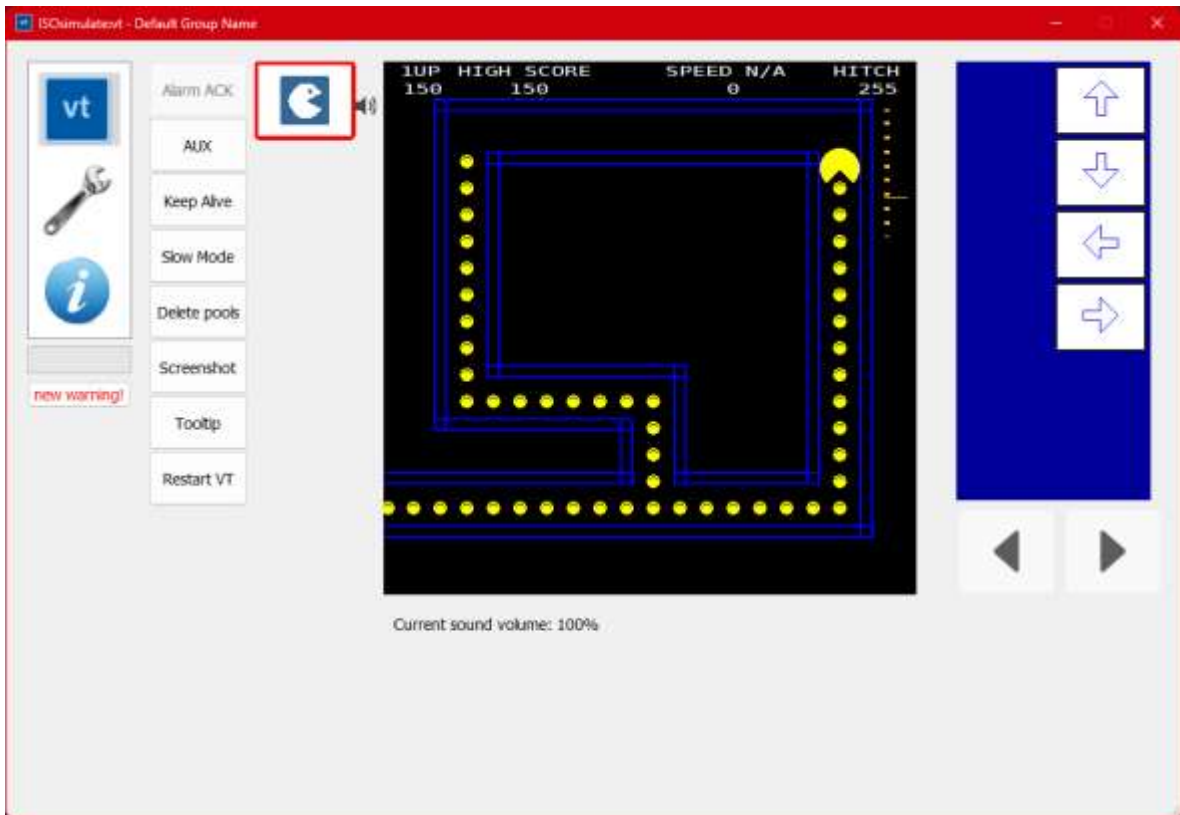
ISOtest Configurable-Implement: DDOP Graph within ISOsimulate:tc

ISOtest ISO-MAN

is a locally run ISOBUS application intended for testing Virtual Terminals and ISOBUS networks. It can be run the same way as ISOtest Configurable-Implement (virtually through a simulator or through a real terminal connected physically to your Windows machine). ISO-MAN sports a Pacman-like interface for a developer quickly and easily test for the expected rendering functionality including its performance as well as auxiliary (joystick) operation. It also features relevant ISOBUS and gameplay settings to enable a wide array of VT functionality tests.



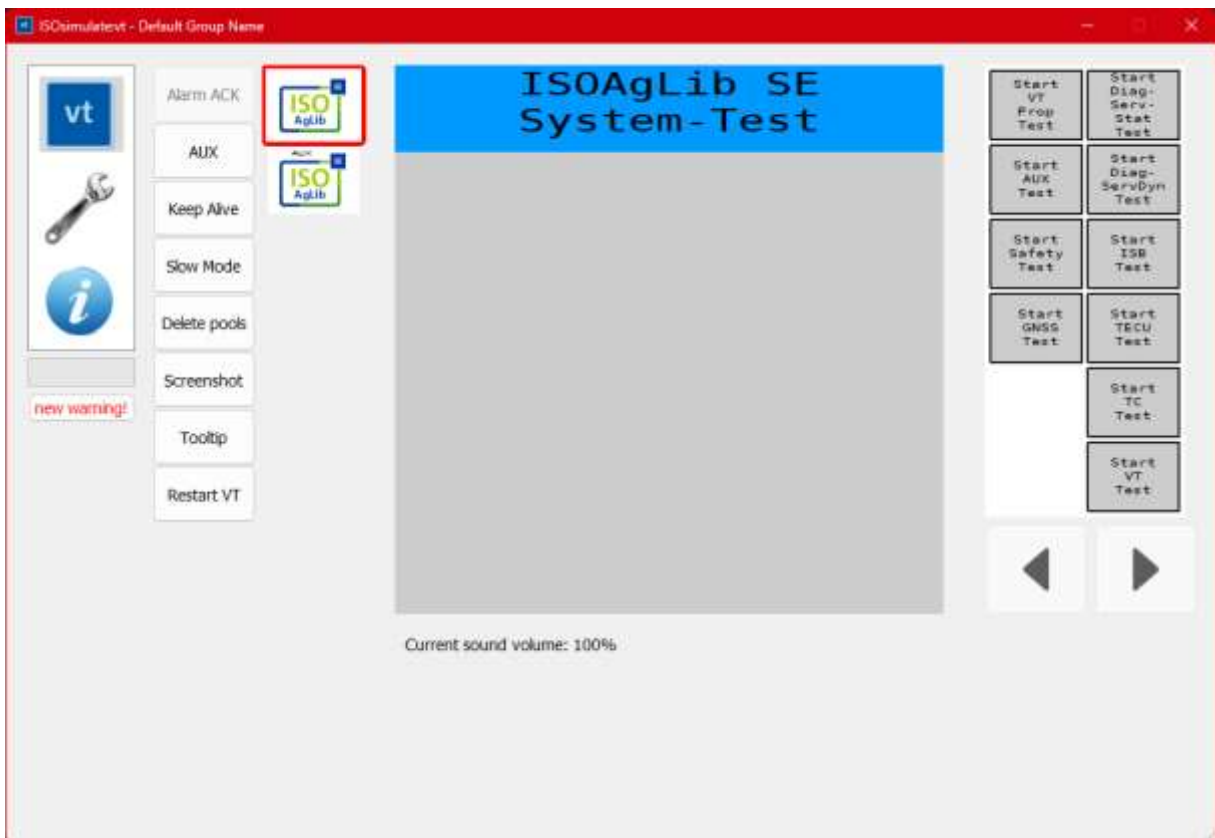
ISOtest ISO-MAN: Main menu within ISOsimulate:vt



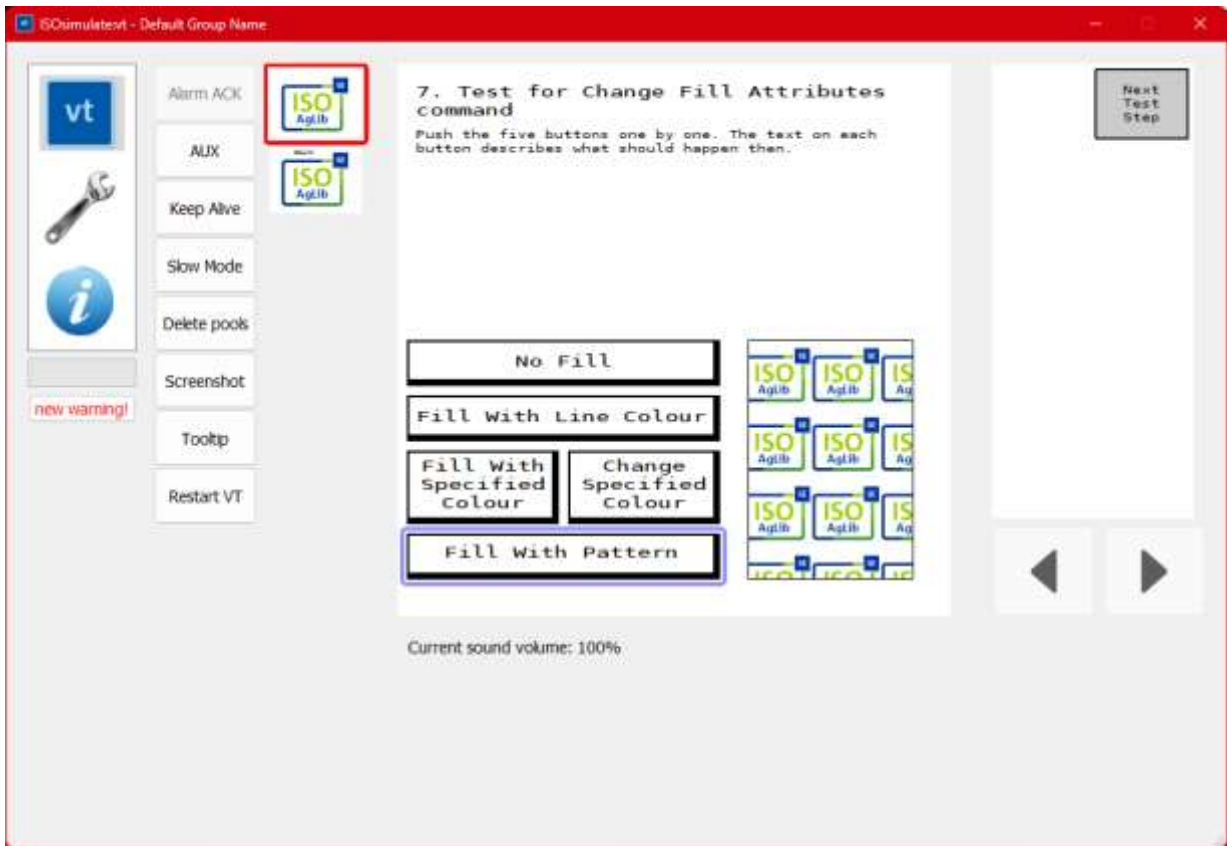
ISOtest ISO-MAN: Gameplay for analysis of rendering/performance and testing of auxiliary controls of the VT Server

ISOtest System-Validation-Test (SVT)

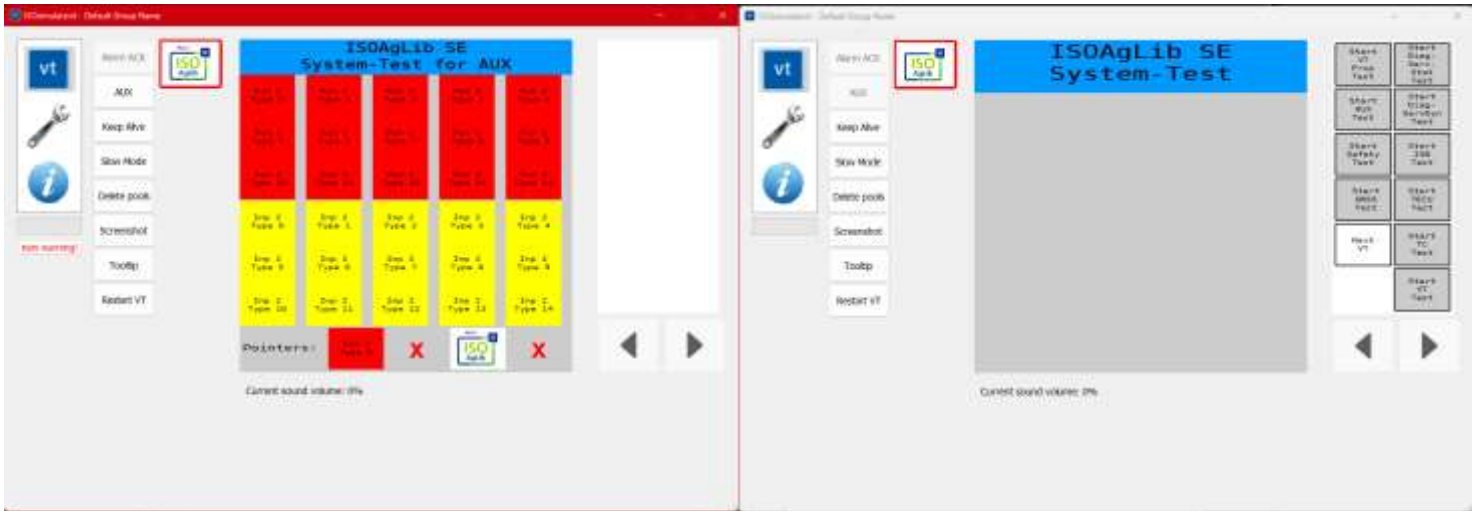
is an ISOBUS application for completely testing the functionalities of the VT, TC, AUX, GNSS, TECU, ISB, and DIAG features of an ISOBUS network. This application features a thorough wealth of tests and simple explanations for each test and how to conduct them. It is an invaluable tool for analyzing the adherence of an ISOBUS stack to the expected functionality of an ISO 11783 system.



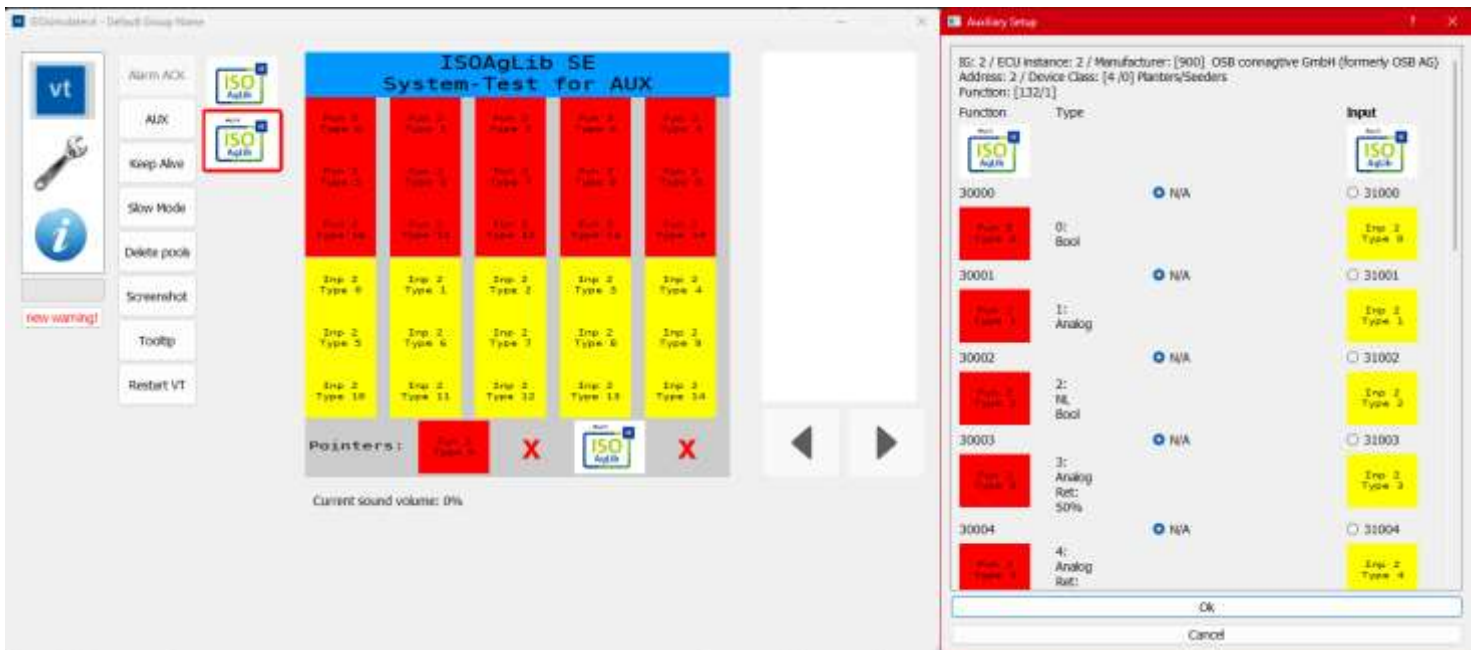
ISOtest System-Validation-Test: Main screen within ISOsimulate:vt



ISOtest System-Validation-Test: VT Fill Attributes rendering test

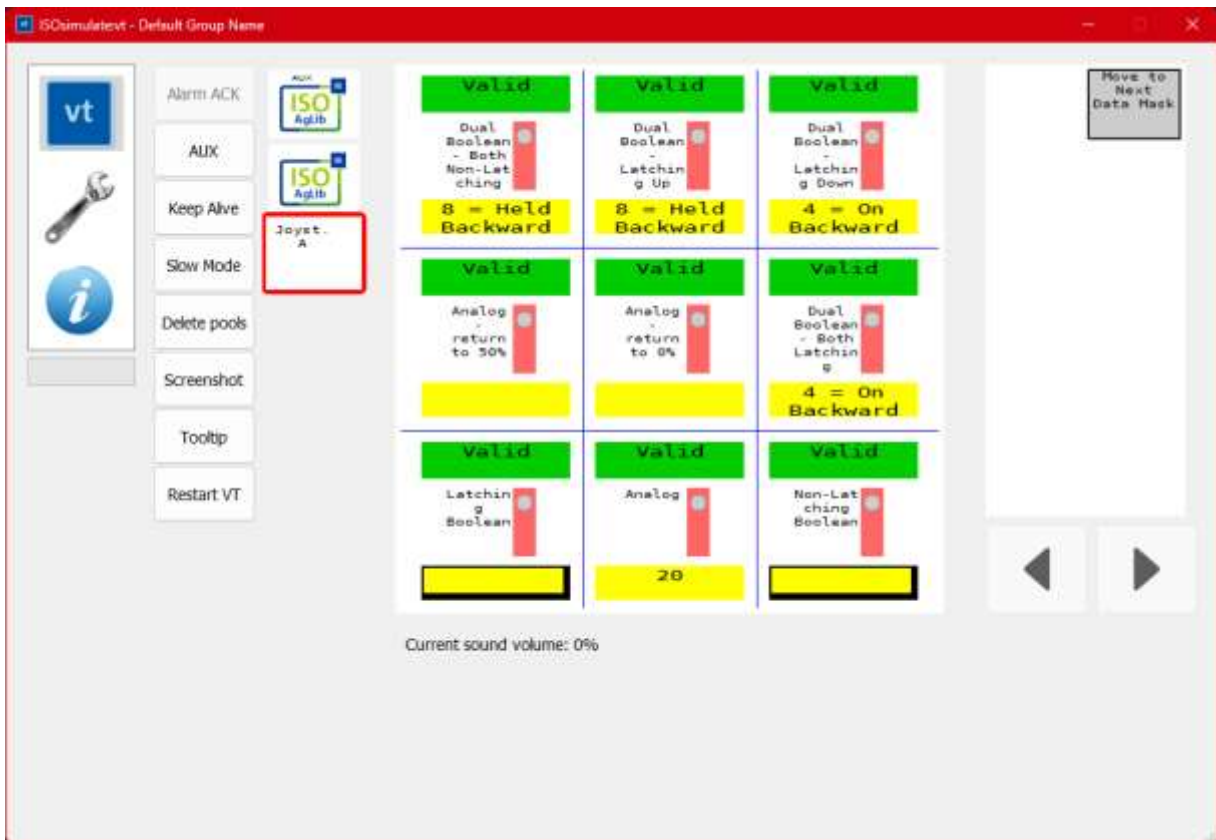


ISOtest System-Validation-Test: Multiple VT testing/support (above) / auxiliary function test (below)

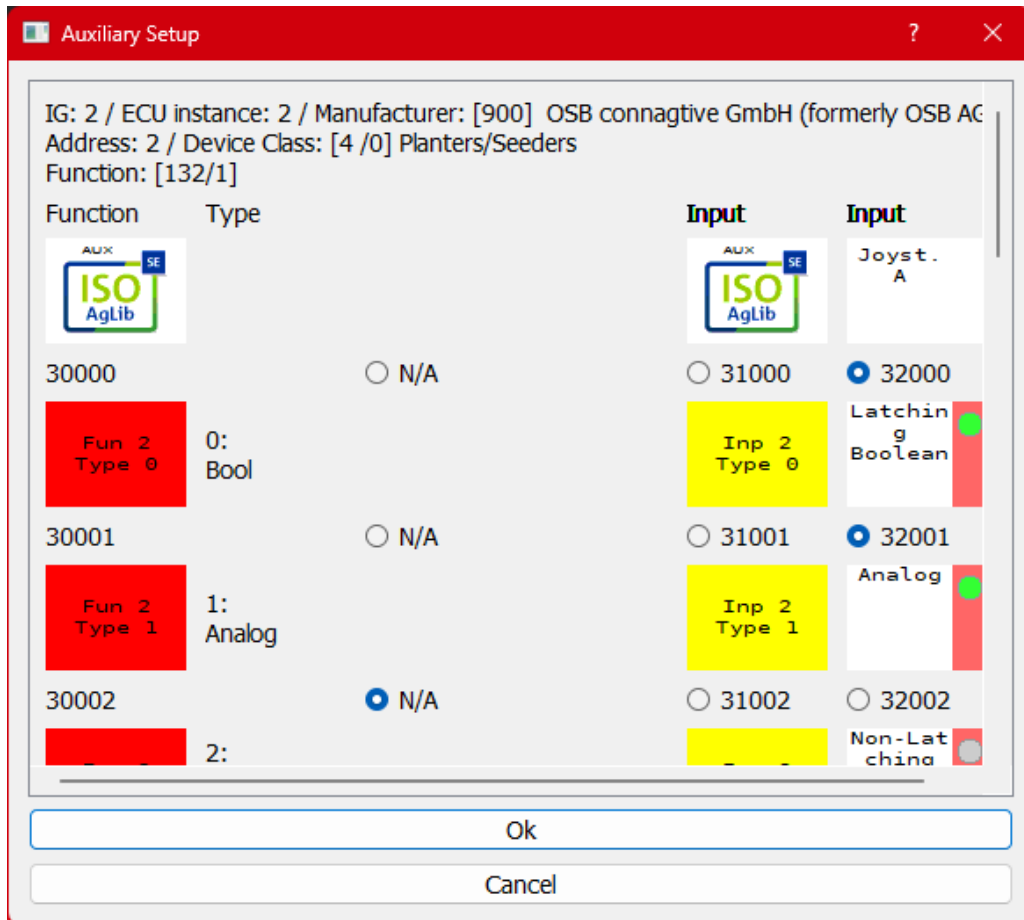


ISOtest System-Validation-Test (SVT) AUX-Inputs A, B, and C

are used to validate that all requirements are implemented as expected, especially regarding Auxiliary Inputs (Joysticks). It consists of three different simulations of AUX Inputs (joysticks), which can be assigned, configured and also easily being connected/disconnected in order to test dynamic behavior. Integrates seamlessly with System-Validation-Test and ISO-MAN and its corresponding AUX functions and can be ran simultaneously to maximize the number of functions available for testing.



ISOtest SVT Aux-Inputs a: Running alongside System-Validation-Test



ISOtest SVT AUX-Inputs A: Assigning auxiliary functions from System-Validation-Test



ISOtest SVT AUX-Inputs B (above) SVT AUX-Inputs C (below)





2. Annual Subscription

All our tools are designed for use on Windows computers. The software and new versions can be downloaded from our customer download platform and installed on multiple computers. To unlock the software, one of our USB dongles is required. It contains the license for the tools you have subscribed to. New license codes will be sent to you by email and you can install them on the dongle yourself.

Annual subscriptions are automatically renewed and become subject to payment unless we receive a cancellation 30 days before the end of the annual subscription. You will be notified of the availability of updates by email.

Your annual subscription includes access to our product support and new versions of the tools. We guarantee all tools will be kept up-to-date in line with the further development of the ISOBUS standard.

3. Pricing and terms

Item	Description	Price
2062200	ISOtest Suite (all ISOBUS server/client applications)	1'500.00 €
2060101	USB dongle hardware, including shipping inside EU	50.00 €
2060102	USB dongle hardware, including shipping outside EU	100.00 €

All prices excl. VAT

- All tool licenses are annual subscriptions and have to be paid annually for continued usage. You agree to this annual license agreement by purchasing.
- Notice of cancellation: The tool license will be renewed every year automatically and a new license code will be sent out via email and an invoice will be issued if you do not send a notice to sales@osb-connagative.com at latest 30 days before the expiration of the one-year license.
- We reserve the right to make future license and usage fee price adjustments due to inflation or increasing supply costs.
- Offers are subject to change and non-binding.
- Our [General Terms and Conditions](#) apply.

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