

**NEW**



## NAVIGATOR TX Range



**TEXA**

# THE NAVIGATOR TX RANGE OF DIAGNOSIS

The **NAVIGATOR TX** range of diagnostic and autodiagnostic interfaces is the result of constant research and the development of advanced solutions dedicated to simplifying the work of the mechanic. TEXA has created a choice of three advanced instruments, all implementing innovative technologies, including Bluetooth wireless communications to eliminate unwanted cables around the workshop.

In developing these interfaces, TEXA has concentrated on reducing connection times and increasing practicality.

Thanks to up to 64 Mb of internal memory dedicated to storing program data, the delay in establishing communications with the vehicle's control can be reduced by over 70%.

NAVIGATOR TX devices interfaces are also equipped with automatic internal switching for communicating with control units on vehicle makes and models without additional adapters.

NAVIGATOR TX interfaces let you perform all common autodiagnostic tests including:

- error reading and clearing;
- engineering parameter and activation status viewing;
- oil change light reset adjusting and configuring;
- service and airbag;
- control unit configuration;
- keys and remote controls;
- adjustment of carburetion and injection times (BIKE sector).



## IDC4 SOFTWARE

All TEXA diagnosis and self-diagnosis interfaces use the latest IDC4 software; it has been designed to allow you to obtain a series of auxiliary data – technical bulletins, component sheets, wiring diagrams – directly from your viewing unit.

NAVIGATOR TX interfaces also feature the exclusive **powered by Google "SEARCH"** function and the TGS2 function for the automatic scanning of vehicle systems.

## CONNECTIVITY

All TEXA diagnostic and autodiagnostic interfaces can use Bluetooth wireless technology to communicate with display units in the AXONE range, the MULTI PEGASO multipurpose station and any PC.

## NAVIGATOR TXC



FOR CARS, LIGHT  
COMMERCIAL  
VEHICLES AND MOTORBIKES



MULTI PEGASO



# STIC AND AUTODIAGNOSTIC INTERFACES

## NAVIGATOR TXT



FOR ALL TYPES OF VEHICLE



## NAVIGATOR TXB



FOR MOTORBIKES, QUADS  
AND JET SKIS



AXONE RANGE



STANDARD PC



**ALL TEXA PRODUCTS  
ARE GUARANTEED  
FOR 24 MONTHS**

To check out the extensive coverage of TEXA products visit  
[www.texa.com/applicationlist](http://www.texa.com/applicationlist)

To view demos showing TEXA instruments in operation visit  
[www.texa.com/demo](http://www.texa.com/demo)

For information on IDC4 compatibility and  
minimum system requirements go to  
[www.texa.com/system](http://www.texa.com/system)

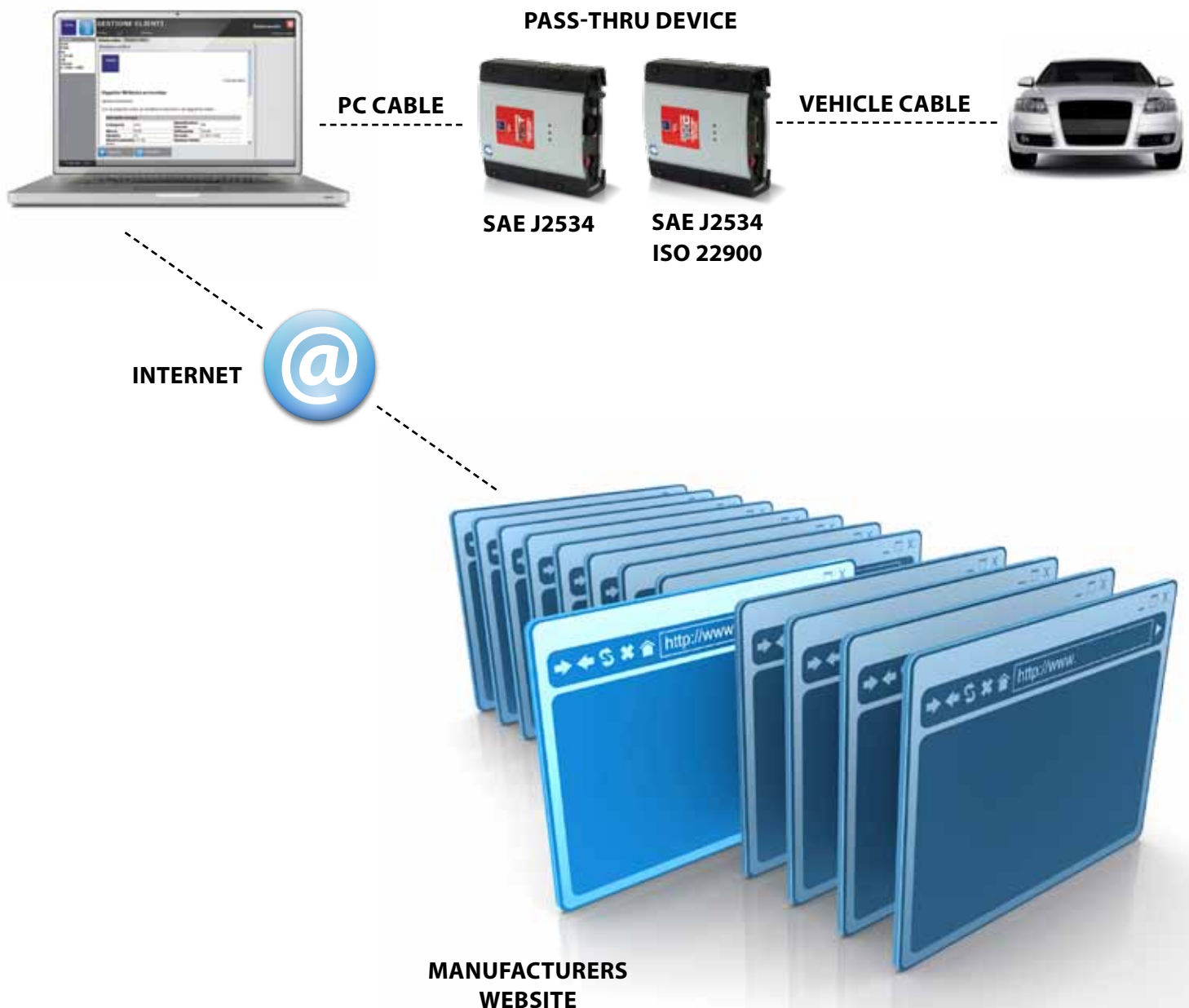
# NEW PASS-THRU PROTOCOL

The EURO 5 standard that came into force on the 1st September 2009 obliges manufacturers to homologate all new models of car in conformity to new, stricter emission limits. EURO5 also incorporates the new SAE J2534 and ISO 22900 standards that liberalises the reprogramming of electronic control units. This has placed independent garages on the same level as official dealers as far as operations like eliminating engine malfunctions and encrypting copies of keys are concerned.

The PASS-THRU standard, as it is commonly referred to, makes it possible for any repair shop to connect to the central server of any vehicle manufacturer and download software packages or official technical information.

All you need is a PC connected to the Internet and a diagnostic tool compatible with the SAE J2534 or ISO 22900 standard to transfer the downloaded data to the vehicle.

The NAVIGATOR TXT, the most complete and best performing of the NAVIGATOR range, is a highly evolved tool and already compatible with the PASS-THRU protocol. It can therefore perform all the ECU reprogramming and key encrypting operations.



## TWO UNIT DIAGNOSTICS

All conventional diagnostic tools, even the most efficient, are restricted by one thing: the length of their diagnostic connection cable. Thanks to its constant commitment to research and development, TEXA can offer innovative solutions that do not require cables to connect either to the display unit or to a mains power socket.



The diagnostic tool NAVIGATOR range allow mechanics to run tests on all the electronic systems on a vehicle while walking around it, without any cables getting in the way.

It is no longer a problem, for example, to move from one wheel to another while performing direct checks on a braking system; or to check the correct functioning of a commercial vehicle or trailer's rear lights directly from the back of that vehicle.

TEXA has introduced a new, far more practical, efficient and safe way of working!

"Two unit diagnostics" is one of the most important innovations that TEXA has developed in recent years, with the introduction of portable display units (the AXONE range) and wireless instruments not only for diagnostics, but measurement (UNIProbe) and exhaust analysis too (GASBOX Autopower, OPABOX Autopower, RC2 and RC3).

This has been possible thanks to Bluetooth technology, which is implemented on all the tools in the NAVIGATOR range, and permits wireless connectivity with any TEXA interface within a distance of 60 metres.



All TEXA devices use certified Bluetooth modules.

# NEW OPERATING SOFTWARE IDC4





























TEXA's new IDC4 is an evolved and complete operative software available on the market. It combines versatility and ease of use with highly-innovative functions and applications. As standard on all TEXA diagnosis and self-diagnosis instruments, it can be installed on Windows desktop or laptop PC already in a workshop. It is the first solution that is able to assist the mechanic in his work, combining the diagnosis devices with a complete, professional databank.
























IDC4 is therefore not only diagnosis software, it is a real professional partner for a mechanic, an irreplaceable companion.

- **Incorporates 5 different types of vehicles;**
- **It's a diagnosis software with an extraordinary coverage of makes and models of vehicles;**
- **It manages all TEXA instruments in the workshop;**
- **It contains all technical information necessary for repair.**

IDC4 is available in several different versions depending on the instrument used and its contents.

INSTRUMENT		SOFTWARE AVAILABLE			ENVIRONMENT AVAILABLE				
		IDC4 LIGHT	IDC4 PLUS INFO	IDC4 PLUS					
	<b>AXONE 4</b>								
	<b>Commercial PC</b> (interfaces series NAVIGATOR TX, UNIProbe and TwinProbe)								
									
									

INSTRUMENT		SOFTWARE AVAILABLE		ENVIRONMENT AVAILABLE				
		IDC4 POCKET LIGHT	IDC4 POCKET PLUS					
	<b>AXONE Palmtop</b> <b>AXONE Pad</b> <b>AXONE Direct</b>							
								
	<b>AXONE Smart</b>							

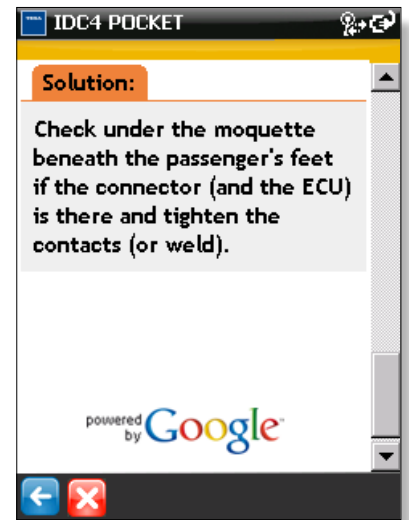
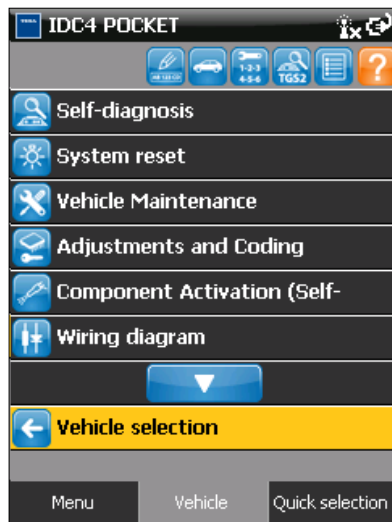
# IDC4 IS MUCH MORE

## “SEARCH” FUNCTION AND “TROUBLESHOOTING” POWERED BY GOOGLE

With an internet connection available, IDC4 is able to search the TEXA databases for repair procedures that have already been tried and tested.

Once the vehicle has been selected, the mechanic can send a request directly by clicking on a specific icon. In just a few seconds, he will obtain an efficient response on how to intervene.

The TEXA servers feature countless solutions to all sorts of problems encountered by call centres the world over. They are further enhanced with new solutions every week. Within the IDC4 software, the various functions available also include the “Troubleshooting” button that grants even more direct and immediate access to the “SEARCH” function.



During a repair, by selecting the ‘SEARCH’ button, the programme automatically searches amongst all information available with regards to the model and electronic system selected.

## STRAIGHT TO THE POINT!

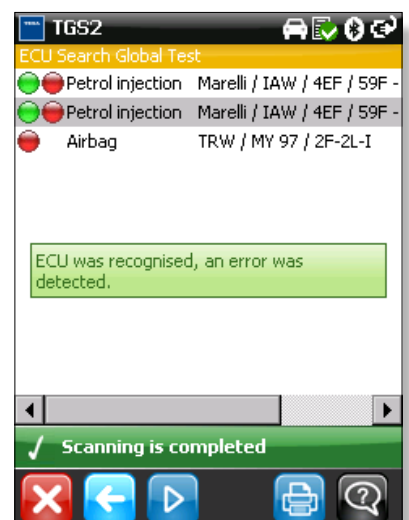
An innovative application allows to perform immediately the more frequent interventions and those regarding the scheduled maintenance. By selecting the individual operations from a specific list, the software automatically connects the functions to the electronic system of reference, thereby relieving the mechanic of having to search out what system they refer to.

## TGS2 FUNCTION



The **TGS2 (TEXA Global Scan 2)\*** function is another innovation included as standard in IDC4 software. TGS2 lets you perform automatic scans of all the recognized electronic control units on the vehicle.

You can choose to scan all systems or select just one or more. It then performs a fully automatic scan to ensure correct recognition of the ECU and to detect any errors. If any errors are found in the control unit, you can switch directly to autodiagnosics mode simply by clicking the relevant icon, without having to restart the application.



In this case, the control unit has been recognised and the communication has been successful. An error has been reported.

\*Available only for NAVIGATOR TXT and NAVIGATOR TXC.

# TECHNICAL SPECIFICATIONS

**Processor:** CORTEX M3 STM32F103ZG 72 MHz, FLASH 1024 KBytes, SRAM 96 Kbytes

**External SRAM memory:** 8 MBit organized as 512 KBytes x 16 bit

**Internal PSRAM memory:** 128 MBit organized as 8 MBytes x 16 bit

**External Flash NAND memory:** 132 MBit on 8 bit bus

**Vehicle battery:**

NAVIGATOR TXT/TXC: 12 VDC and at 24 VDC systems management; NAVIGATOR TXB: 12 VDC systems management

**External power supply:**

NAVIGATOR TXT/TXC: 8 ÷ 32 V;

NAVIGATOR TXB: 8 ÷ 16 V

**USB communication:** virtual RS232 via USB 2.0 Device

**Wireless connection:** Bluetooth Class 1 (30 m)

**Electronic switch:** 2 ways, 13 independent positions

**Diagnostic connector:**

NAVIGATOR TXT: 28 pin CPC 28

NAVIGATOR TXC: DSUB-26HD standard ISO 22900-1

NAVIGATOR TXB: 16 pin CPC 16

**Control unit reprogramming connector:** PV as required by the SAE J2534 protocol (only NAVIGATOR TXT and TXC)

**Supported protocols:**

- Blink codes
- K, L (with current protection 100 mA), ISO9141-2, ISO14230
- CAN ISO11898, ISO11519-2
- SAE J1850 PWM
- SAE J1850 VPW
- SAE J2534-1 (only NAVIGATOR TXT and TXC)

**Power supply connector:** 4 pin power mini-din

**Visual warnings:** 1 green LED, 1 red LED, 1 blue LED

**12 V consumption:** 0.25 A typical

**24 V consumption:** 0.18 A typical (only NAVIGATOR TXT and TXC)

**Operating temperature:** 0 ÷ 50 °C

**Storage temperature:** - 20 ÷ 60 °C

**Operating relative humidity:** 10 ÷ 80 % non-condensing

**Dimensions:** 160x170x55 mm

**Weight:**

NAVIGATOR TXT/TXC: 1 kg;

NAVIGATOR TXB: 1,1 kg

**Standards:**

- Directive: 1999/5/EC
- Safety: EN 60950
- Electromagnetic Compatibility: EN 55022, EN 55024, EN 301 489-1
- **Radio systems:** EN 301 489-17, EN 300 328-2

## WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "Systems that can be diagnosed" of the product and/or software at TEXA authorized retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.



COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =



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V.2.0

