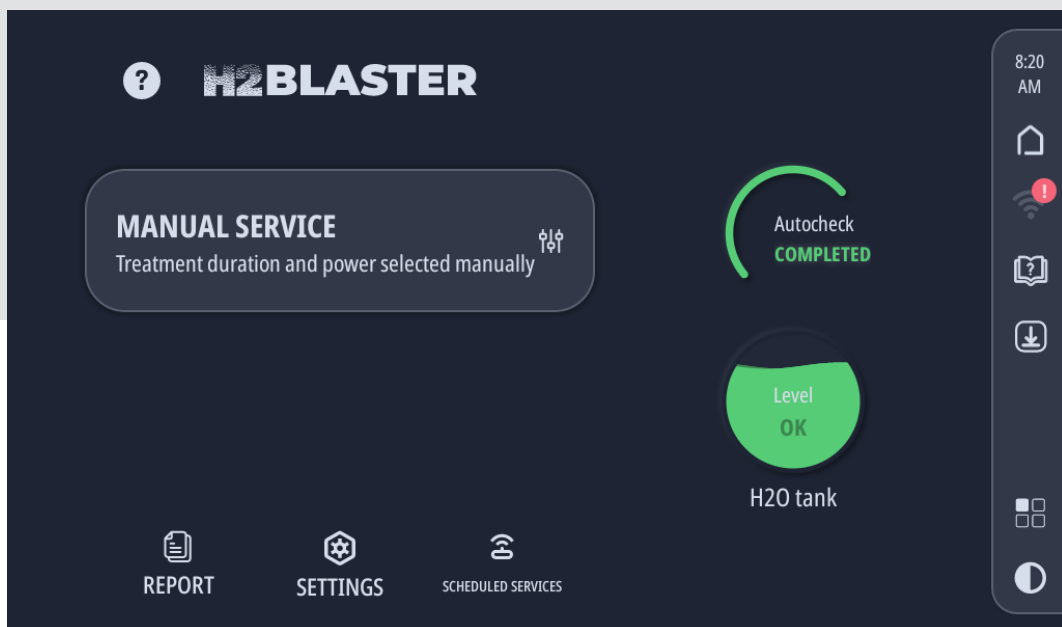


# H2 BLASTER



Rev.02







# SUMMARY

<b>1</b>	<b>REVISION OF THE MANUAL.....</b>	<b>5</b>
<b>2</b>	<b>INTRODUCTION.....</b>	<b>6</b>
<b>3</b>	<b>USER SOFTWARE INSTRUCTIONS.....</b>	<b>7</b>
<b>3.1</b>	<b>Selections and Data Entry.....</b>	<b>7</b>
<b>3.2</b>	<b>Password.....</b>	<b>7</b>
<b>3.3</b>	<b>Procedure Execution.....</b>	<b>7</b>
<b>3.4</b>	<b>Error signals.....</b>	<b>7</b>
<b>4</b>	<b>HOME.....</b>	<b>8</b>
<b>4.1</b>	<b>Updates Available.....</b>	<b>10</b>
<b>4.2</b>	<b>Applications.....</b>	<b>11</b>
<b>5</b>	<b>DECARBONISATION SERVICE.....</b>	<b>12</b>
<b>5.1</b>	<b>Test Drive.....</b>	<b>18</b>
<b>6</b>	<b>REPORT.....</b>	<b>20</b>
<b>7</b>	<b>SETTINGS.....</b>	<b>22</b>
<b>7.1</b>	<b>Wi-Fi.....</b>	<b>23</b>
<b>7.2</b>	<b>Accessories.....</b>	<b>24</b>
<b>7.3</b>	<b>Location.....</b>	<b>25</b>
<b>7.4</b>	<b>User data.....</b>	<b>26</b>
<b>7.5</b>	<b>Advanced settings.....</b>	<b>27</b>
<b>8</b>	<b>SCHEDULED SERVICES.....</b>	<b>28</b>




## 1 REVISION OF THE MANUAL

This document is the operating manual for the product:H2 BLASTER

Document Review Number:02

Date of Issue:19/04/2022

<b>INFORMATION</b>	<i>Read this manual before using the product. Read the documents carefully whenever the General Risk symbol is shown.</i>
	

## 2 INTRODUCTION

Dear Customer,

We would like to thank you for choosing a TEXA product for your workshop.

We are certain that you will get the greatest satisfaction from it and receive a great deal of help in your work.

Please read through the instructions in this manual carefully and keep it for future reference.

Reading and understanding the following manual will help you to avoid damage or personal injury caused by improper use of the product to which it refers.

TEXA S.p.A reserves the right to make any changes deemed necessary to improve the manual for any technical or marketing requirement; the company may do so at any time without prior notice.

This product is intended for use by technicians specialised in the automotive field only. Reading and understanding the information in this manual cannot replace adequate specialised training in this field.

The sole purpose of the manual is to illustrate the operation of the product sold. It is not intended to offer technical training of any kind and technicians will therefore carry out any interventions under their own responsibility and will be accountable for any damage or personal injury caused by negligence, carelessness, or inexperience, regardless of the fact that a TEXA S.p.A. tool has been used based on the information within this manual.

Any additions to this manual, useful in describing the new versions of the program and new functions associated to it, may be sent to you through our TEXA technical bulletin service.

This manual should be considered an integral part of the product to which it refers. In the case it is resold the original buyer is therefore required to forward the manual to the new owner.

Reproduction, whole or in part, of this manual in any form whatsoever without written authorization from the producer is strictly forbidden.

The original manual was written in Italian, every other language is a translation of the original manual.

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## 3 USER SOFTWARE INSTRUCTIONS


### NOTICE



The software products cannot be developed to work without any margin of error with respect to all the possible applications and uses; furthermore, the updated software versions could introduce imprecisions that were not in the previous version. The licensee accepts this possibility.

### 3.1 Selections and Data Entry

All functions can be selected by pressing the related icon / item on the touchscreen.

Specific options can be selected / deselected by acting on the related "switch" .

Certain software functions require data to be entered manually (numerical values, names, etc.). For this reason, the software has specific editable fields.

Simply press on the editable field to display, based on the field, an alphanumeric keyboard or a numeric keypad that can be used to enter the desired data.

### 3.2 Password

Certain functions are protected by passwords with different levels of protection.

The **password** reserved for the operator is **1236**.

### INFORMATION

*The functions that cannot be accessed with this password are for technical assistance personnel or retailers only.*

### 3.3 Procedure Execution

Some software functions have an assisted procedure (e.g.: help in filling the fields).

The software supports the operator through the procedure with specific on-screen messages.

Some messages provide precise information regarding the operations to be performed.

### NOTICE

**In order to complete the various operations successfully, you must carefully follow the software indications and read and understand the Technical Manual.**

### 3.4 Error signals

The software shows the possible errors by means of specific displayed messages.

Some messages indicate which icons must be pressed to proceed with the procedure.

### INFORMATION

*The error messages shown during the execution of a recharging service require to select whether to continue the current phase or not.*



## 4 HOME



### 1. MANUAL SERVICE

It allows you to manually set the oxyhydrogen supply power and the service duration.

### 2. SERVICE FUNCTIONS

#### REPORTS

#### SETTINGS

- *Wi-Fi*
- *Display*
- *Accessories*
- *Location*
- *User data*
- *Software version*
- *Activation status*
- *Advanced settings*

#### SCHEDULED SERVICES

### 3. AUTOCHECK


It indicates the result of the check performed on the equipment's safety sensors.


It notifies any failures detected while the equipment is turning on.






### 4. INTERNAL TANK LEVEL

It indicates the fluid level inside the internal tank.

### 5. SYSTEM INFORMATION AND FUNCTIONS

 It allows you to return to the HOME screen.

 It allows you to access the Wi-Fi communication configuration functions.<sup>1</sup>

-  It allows you to access the equipment and software manuals.
-  It allows you to access the update search and download page.
-  It allows you to access the equipment's activation screen.
-  It allows you to access the applications screen.
-  It allows you to change the screen colour, from light mode to dark mode and vice versa.

<sup>(1)</sup>For further information see the *SETTINGS* chapter.

## INFORMATION

Pressing  or  the following screen is displayed.



Using the QR Code in this screen, you can download the app for the test drive.

## INFORMATION

Apple and the Apple logo are trademarks of Apple Inc.  
Google Play and the Google Play logo are trademarks of Google LLC.

## 4.1 Updates Available

This function allows you to access the update search and download page. It indicates the status of the updates and if there are any updates available. Press **Search for updates** to start searching for new updates available. Press **Get** to download the corresponding update.



Wait for the download to complete.

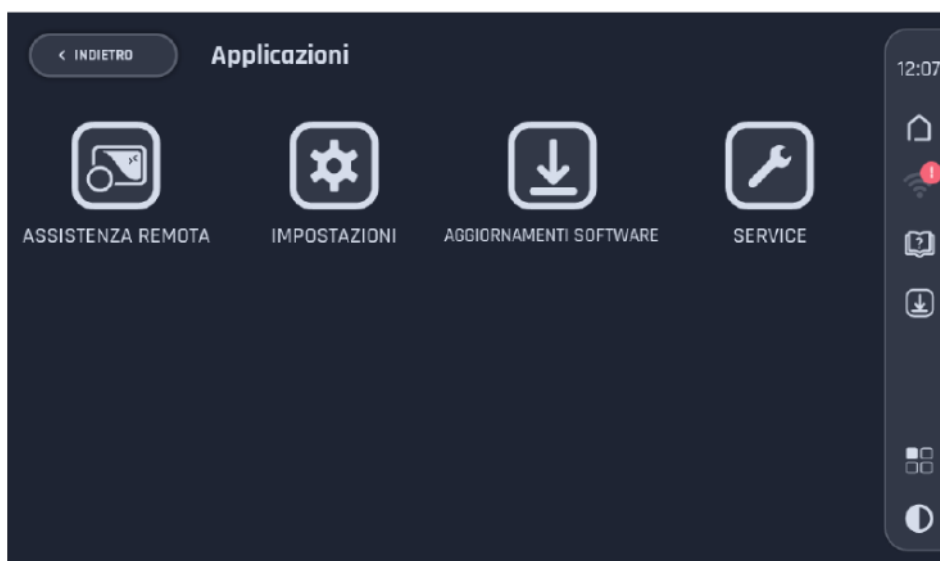
Press **Update now**.





Wait for the procedure to end.

Follow on screen instructions

## 4.2 Applications

This function allows you to access the screen containing the applications.



	Name	Function
	REMOTE ASSISTANCE	It allows you to launch the software for remote assistance.
	SETTINGS	It allows you to access the various settings of the equipment. <sup>1</sup>
	SOFTWARE UPDATES	It allows you to access the update search and download page.
	SERVICE	It allows you to access the page containing information on the remaining life of: <ul style="list-style-type: none"> <li>• <i>Firewall valve</i></li> <li>• <i>Cell</i></li> <li>• <i>Circuit fluid</i></li> </ul> There are also other functions reserved for Technical Assistance.

<sup>(1)</sup>For further information see the *SETTINGS* chapter.

### NOTICE

The **REMOTE ASSISTANCE** function allows you to launch a specific software that makes it possible for the charging station to be controlled remotely.

This way, the Technical Assistance operators can provide support in troubleshooting and identifying the causes of abnormal behaviours.

The charging station must be connected via Wi-Fi to a network with access to the Internet.

This function must only be used if indicated by and under the supervision of Technical Assistance.

## 5 DECARBONISATION SERVICE

The software guides operators step by step through all the phases of the decarbonisation service, allowing them to calibrate the operation manually based on the checks previously done on the vehicle (e.g. according to the engine type, cylinder displacement, mileage driven since the previous decarbonisation, driving style checked with the driver).



### WARNING

The equipment and the software were designed and built so to minimise the risks relating to the decarbonisation service; however, any sources of danger cannot be eliminated completely.

For this reason, it is mandatory to:

- read and fully understand the contents of the technical manual;
- carefully follow the safety measures indicated in the technical manual;
- carefully follow the safety measures relating to your workplace.

### CAUTION

The decarbonisation service is based on the ignition and combustion of the mixture composed of oxyhydrogen and the main fuel.

The combustion of mixtures composed of oxyhydrogen and LPG or oxyhydrogen and methane may compromise the service result and the vehicle engine operation.

If present, the LPG or methane system must be deactivated and the decarbonisation service must be carried out with the main fuel only.

When setting a service manually:

- carefully assess the power and duration values to set;
- prefer a low/medium-power and long-duration service.

### NOTICE

It is the operator's duty and responsibility to perform the above-mentioned checks carefully before starting the decarbonisation service.

### INFORMATION

*The software shows a series of disclaimers that must be accepted before proceeding with the various phases of the decarbonisation service.*

Proceed as follows:

1. Select MANUAL SERVICE.



## NOTICE



The supply power and duration affect the service effectiveness. If the power is too low or the duration is too short, the decarbonisation may be insufficient.

If the power is too high, the proper engine operation may be compromised.

When setting a service manually:

- carefully assess the power and duration values to set;
- prefer a low/medium-power and long-duration service.

2. Enter the customer's data.

3. Set the following:

- *supply power;*
- *duration;*
- *use of the VCI.*



## NOTICE

The decarbonisation service can also be performed without a VCI if the OBD socket or the vehicle are not compatible with the VCI; however, this solution affects the service quality and reduces the safety of the process.

Carefully read the warning that appears on the display when you deselect the VCI use before proceeding.

## INFORMATION

*The maximum power that can be set is 80%.*

*For an effective service on large vehicles (e.g. trucks) we recommend purchasing the TRUCK pack.*



*For more information contact your Retailer.*

4. Make sure the liquid level in the bubbler is between the MIN and MAX marks.

5. Connect the VCI to the vehicle's OBD socket.  
Wait for the equipment to detect the VCI.



6. Turn on the vehicle engine and bring its speed to a value within the range: 1500 ÷ 2000 RPM  
7. Insert the service pipe that will supply oxyhydrogen in the intake system for at least 20 cm.



Based on the engine type, respect the following:

- **DIESEL:** insert the service pipe immediately after the mass air flow sensor (MAF).
- **OTTO CYCLE (petrol, LPG, etc.):** insert the service pipe upstream of the throttle valve.
- **TURBO (Diesel and Otto Cycle):** insert the service pipe upstream of the turbocharger.

## **! WARNING**

The exact position of the service pipe to insert must be evaluated each time, based on the vehicle, so that it does not interfere with any devices along the duct.

In turbo engines, do not connect the service pipe to the boost circuit.

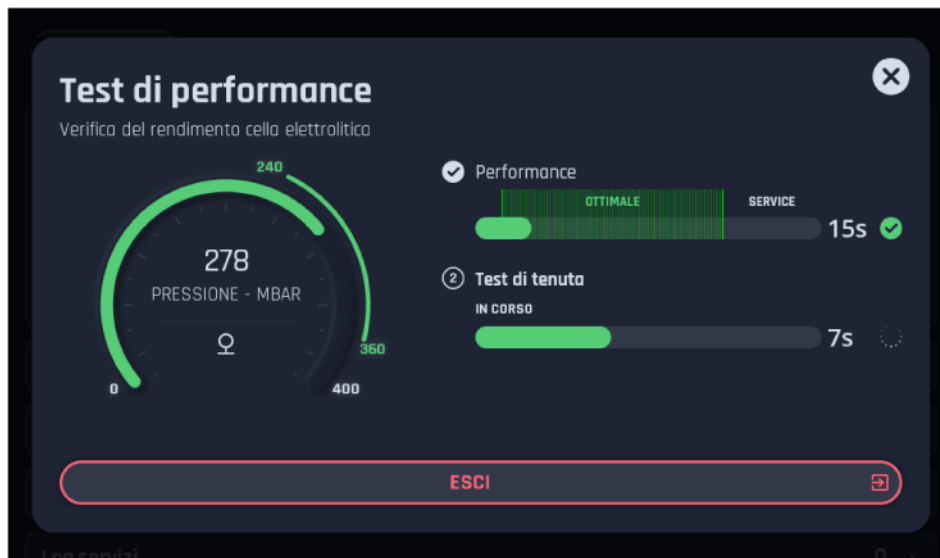
Place the service pipe so that it does not hinder the operator.



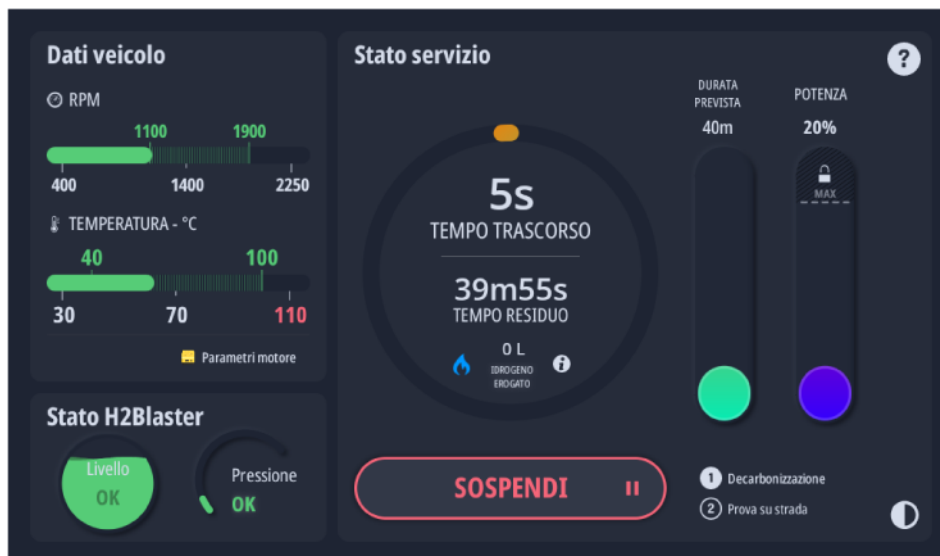
## 8. Start the decarbonisation service.

The equipment carries out a **performance test** consisting in:

- **electrolyte cell performance check:** it assesses the time required to produce enough oxyhydrogen to bring the equipment's hydraulic circuit to a specific pressure level.
- **leak test:** it checks for leaks in the equipment's hydraulic circuit.



## 9. The equipment starts the actual service only after the performance test has successfully passed.



The software constantly monitors all the parameters required to guarantee a proper and safe decarbonisation service.

Any failures, in the vehicle or in the equipment, are promptly notified.

## INFORMATION

The software provides the following indications as for the internal tank pressure:

**GREEN:** pressure OK (0 ÷ 300 mbar)

**YELLOW:** increasing pressure / overpressure (301 mbar ÷ 350 mbar)

**RED:** critical pressure (351 ÷ 400 mbar)

## ! WARNING

If the pressure reaches 450 mbar, the software displays a warning message and the equipment immediately stops the service.

In that case, follow the instructions in the **EMERGENCY SHUTOFF** chapter.

For more information, refer to the technical manual.

10. Wait for the decarbonisation service to end.

The equipment immediately stops the production of oxyhydrogen.



11. Remove the service pipe.

## ! CAUTION

The service pipe may be very hot and expose the operator to the risk of injury.



Wear suitable personal protective equipment.

Be very careful during the extraction operations.

12. Restore the proper intake duct condition.

13. Close the bonnet.

The engine decarbonisation is complete.

You can proceed with the **test drive**.

## NOTICE

The test drive is not mandatory; however, its proper execution is strongly recommended.

Failure to perform the test drive may cause the last unexpelled particle residues to build up in the DPF, catalyst or exhaust pipe, thus reducing the effectiveness of the decarbonisation service.

As an alternative, you can skip the test and move on directly to generating the report of the service performed.

## 5.1 Test Drive

Once the decarbonisation service is complete, you can carry out the test drive.

### INFORMATION

You can use the QR Code below to download and then install the app to perform the test drive on your smartphone.



You can run the test drive also without using the app, following the instructions in the equipment's display; however, using the app allows you to run the test more accurately and safely.

Proceed as follows:

1. Start the app.
2. Read the QR Code proposed by the software with your smartphone's camera.



The smartphone and the VCI are associated automatically.

You can start the test drive.

3. Follow the instructions that appear on the display until the test is complete.

The app starts a 5-minute countdown as soon as the engine speed exceeds the minimum value required: 3400 RPM.

If the engine speed drops below the minimum value, the countdown is paused.

If the engine temperature exceeds the maximum value expected for the engine type, the countdown and the test are cancelled.

** WARNING**

Careless driving may expose to the risk of accidents, which may result in injuries, even serious.

During the dynamic tests, the only vehicle occupants must be authorised repair technicians.

**Stay focused on driving.**

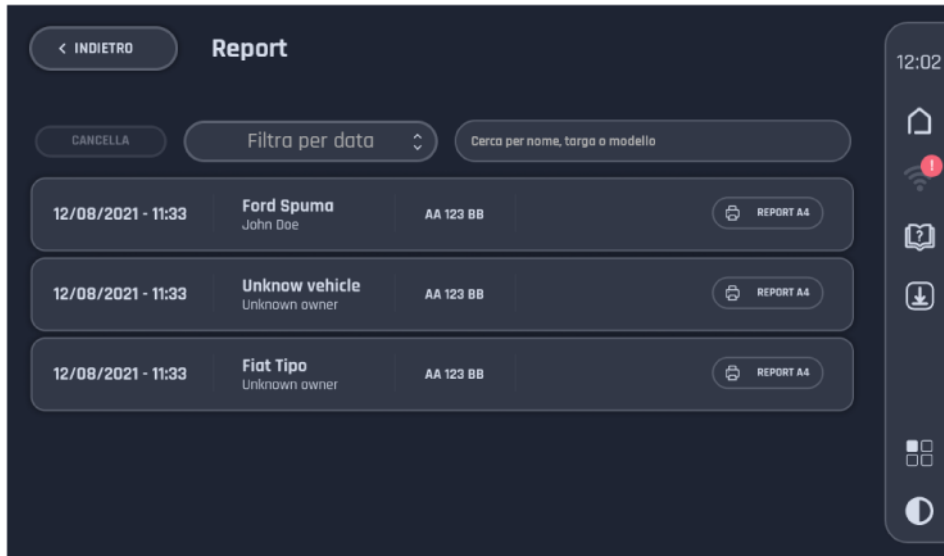
**Do not get distracted by checking the VCI or the app.**

**Do not operate the VCI in any way.**

4. Wait for the app to emit the audible warning indicating that the test drive is complete.
5. Turn the engine off.
6. Disconnect the VCI.
7. Place the VCI on the docking station.
8. Reposition any panels protecting the OBD connector.

## 6 REPORT

This function allows you to access the list of saved reports and print the desired report among the available ones.



By pressing on the desired report you can view its details.



<b>SHARE REPORT</b>	It allows you to send the report via email.
<b>PRINT REPORT</b>	It allows you to print the report.
<b>EXPORT PDF TO USB</b>	It allows you to save the report on a USB drive.

Thanks to the equipment's connection to the Wi-Fi network, the report is automatically uploaded to a specific web portal.

### INFORMAZIONI DISPOSITIVO

Numero di serie  
GPHBTST0000

Stato connessione  
Disconnesso

Ultima connessione  
01/01/0001 01:00

### INFORMAZIONI ULTIMA PIATTAFORMA

Piattaforma:  
Android

Sistema Operativo:  
Android

Versione SO:  
1.0.0-alpha.3

Lingua:  
it-IT

*Ultimo Aggiornamento: 29/10/2021 16:27*

## REPORT ATTIVITÀ

*Attenzione: è possibile selezionare un intervallo massimo di date corrispondente a 1 mese*

Da data: 18/10/2021      A data: 17/11/2021

**ESPORTA IN EXCEL**      **VISUALIZZA REPORT**

Search

Data	Targa	Operatore	
29/10/2021 16:24	-		Scarica file
29/10/2021 16:21	-		Scarica file
29/10/2021 16:06	-		Scarica file

### DIAGNOSTICA DISPOSITIVO

Stato cella: 43

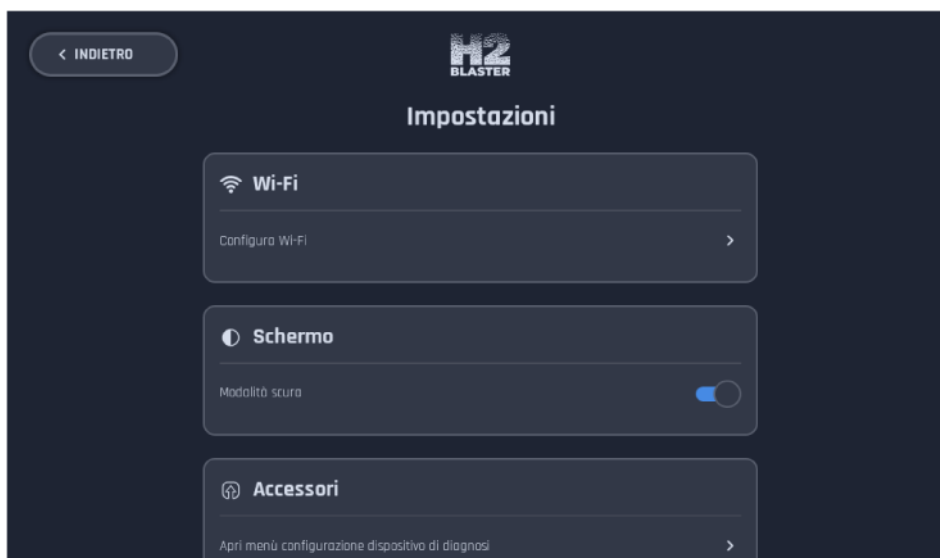
Stato liquido: 75



**For further information on the web portal and how to access it, contact your retailer.**

## 7 SETTINGS

This menu allows you to access the various settings of the equipment.

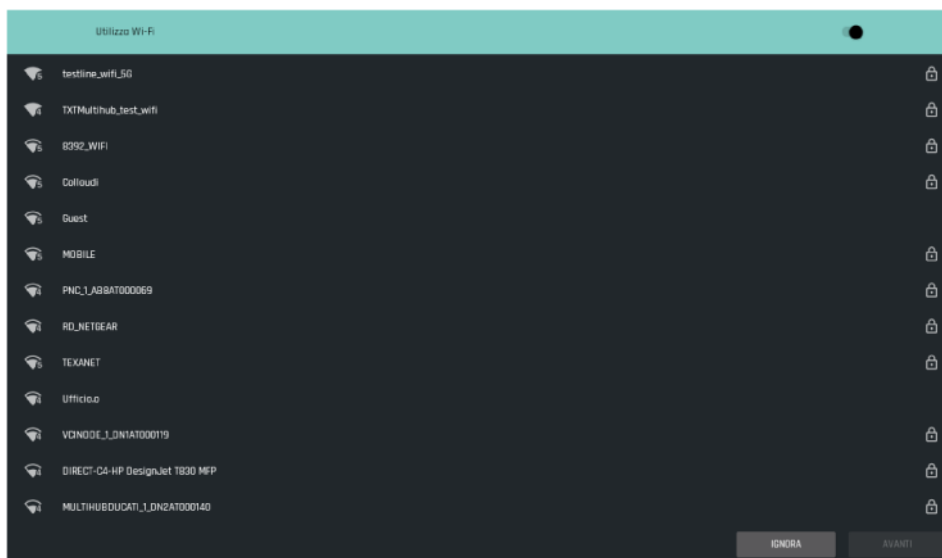


The available functions are:

Name	Function
Wi-Fi	It allows you to connect the equipment to the workshop's Wi-Fi network.
Display	It allows you to change the screen colour, from light mode to dark mode and vice versa.
Accessories	It allows you to manage the equipment's accessories (e.g.: VCI).
Location	It allows you to set the data of the location where the equipment is used: <ul style="list-style-type: none"><li>• <i>Language and Country</i></li><li>• <i>Date and Time</i></li><li>• <i>Measurement system</i></li></ul>
User data	It allows you to set the workshop's company data.
Software version	It reports the equipment's data such as: model, serial number, firmware version, etc.
Activation status	It reports the activation status of the firmware and vehicle selection database.
Advanced settings	It allows you to carry out the equipment's backup and factory reset.

## 7.1 Wi-Fi

This function allows you to connect the equipment to the workshop's Wi-Fi network.  
Press **Configure Wi-Fi**.



Select the desired network.

Press **NEXT**.

Follow on screen instructions



## 7.2 Accessories

This function allows you to manage the equipment's accessories (e.g.: VCI).



For more information consult the technical manual of the device.

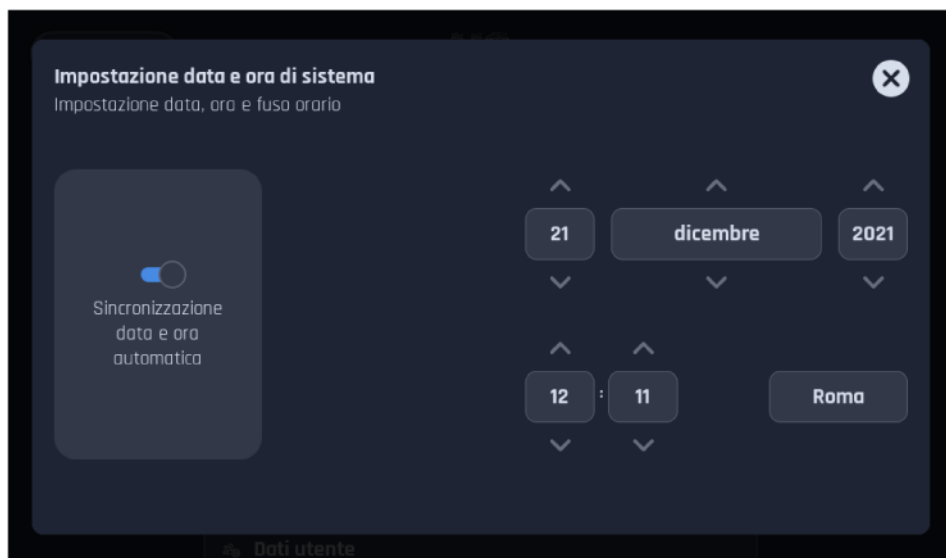
### 7.3 Location

This function allows you to set the data of the location where the equipment is used. The information includes:

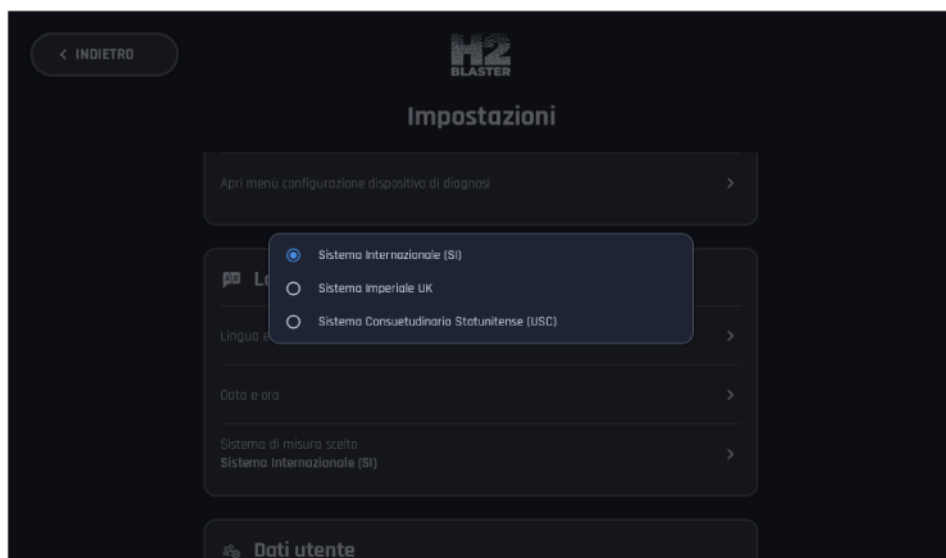
Language and Country



System date and time



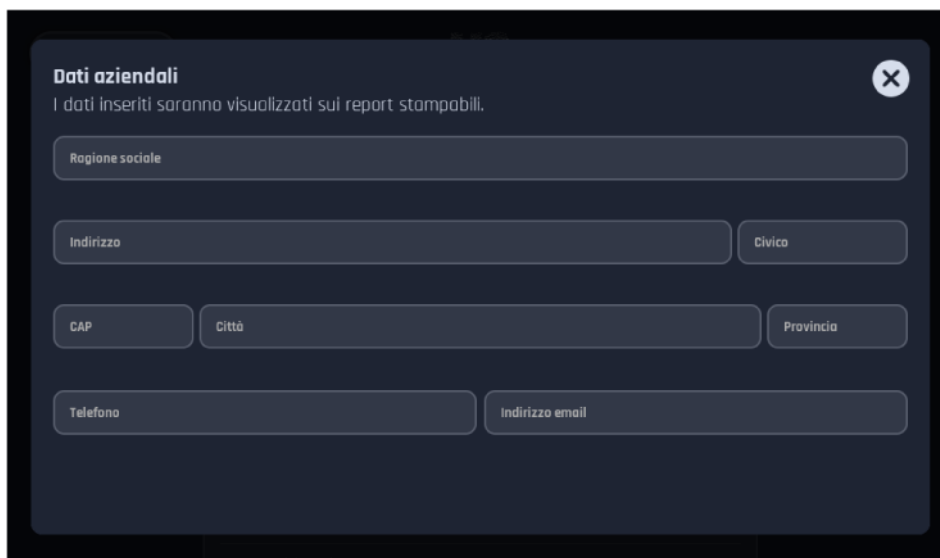
Measurement system



## 7.4 User data

This function allows you to set the workshop's company data.

The data you enter here will appear in the printed reports.

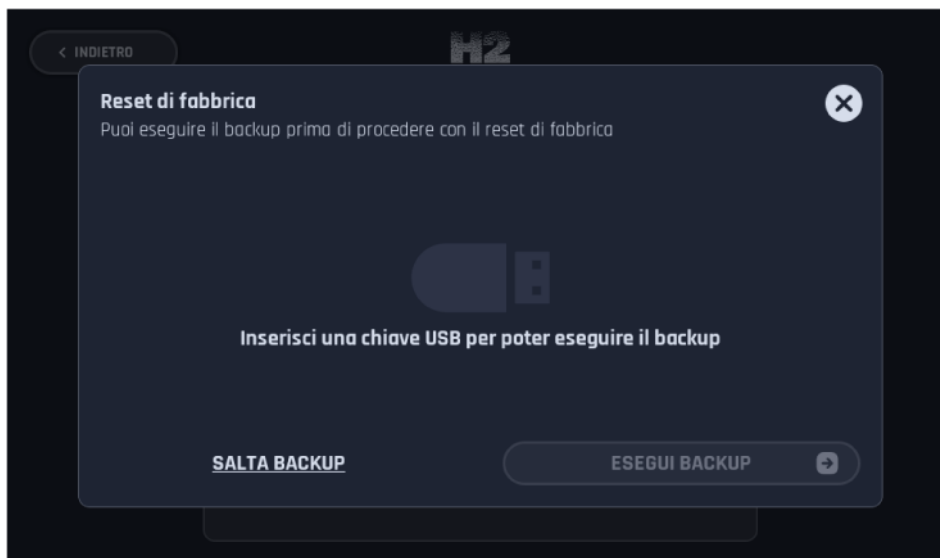


The image shows a dark-themed user interface for entering company data. At the top left, the title "Dati aziendali" is displayed in white. To its right is a close button (an 'X' in a circle). Below the title, a subtitle reads "I dati inseriti saranno visualizzati sui report stampabili." The form consists of several input fields: a single wide field for "Ragione sociale"; two fields for "Indirizzo" and "Civico"; three fields for "CAP", "Città", and "Provincia"; and two fields for "Telefono" and "Indirizzo email". All fields are currently empty and have a light gray border.

## 7.5 Advanced settings

This function allows you to carry out the equipment's backup and factory reset.

Before resetting it to factory settings, you can carry out a backup of the settings and data stored within the equipment.



## 8 SCHEDULED SERVICES

The equipment's connection to the workshop's Wi-Fi network allows scheduling the operations remotely by entering the customer's and vehicle's data in a specific web portal.

The data entered in the web portal from your desktop PC is sent to the equipment and stored in a specific software section as 'scheduled service'.

Using the software, the operator can take on any scheduled service directly from the equipment as soon as the customer drives in.

The customer and vehicle data is recalled by the equipment and the decarbonisation service can be started.

### INFORMATION

*The scheduled service data (customer details, vehicle data, etc.) cannot be modified through the equipment's software.*



**For further information on the web portal and how to access it, contact your retailer.**