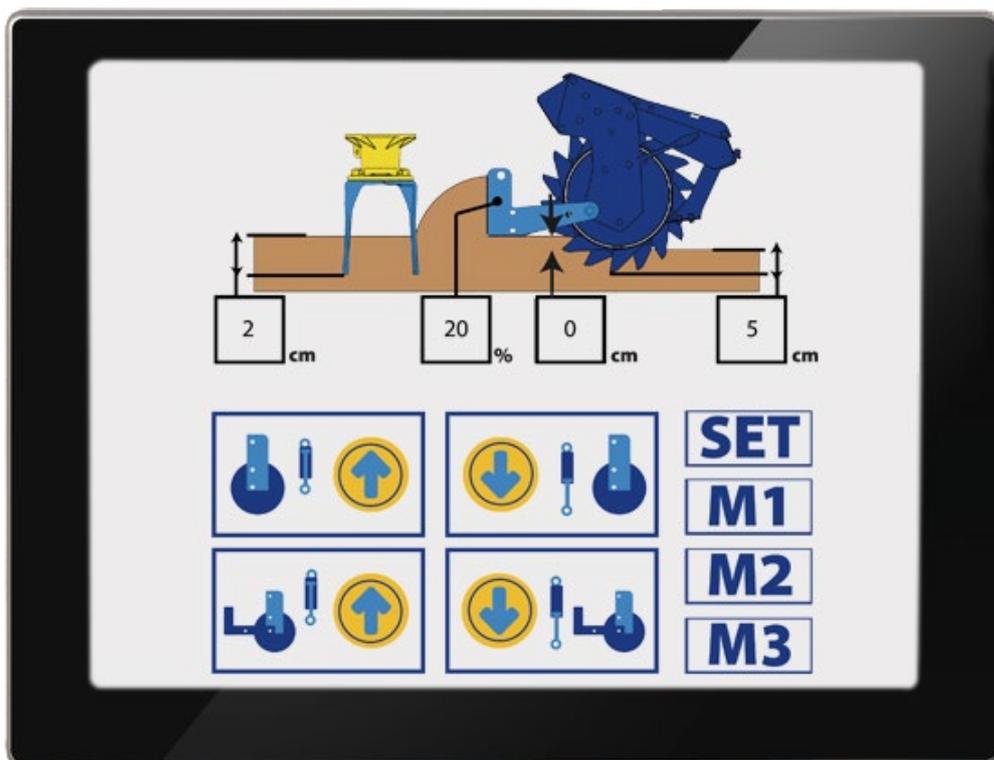




**ALPEGO**  
I N T E L L I G E N C E



Code : Q00A00234/00

Owner's Manual  
maintenance

Translation of the  
original language



Read these instructions carefully before first use.



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# 1 GENERAL INFORMATION

## 1.1 Generalities

Alpego Intelligence is a control software with ISOBUS protocol that can control the work of the seed drill. The manufacturer of the machine is ALPEGO S.p.a., which has assessed the risks related to the machine and provided for the CE marking and drafting of the machine's user manual.

These operating instructions contain information on safety, installation, operation, maintenance and rectification of faults and malfunctions so that the system can be used correctly as intended by the manufacturer.

The instructions are an essential safety requirement and as such are an integral part of the machine and must accompany it throughout its life cycle; it is therefore essential to retain them and make them available to all persons concerned.

In this document, the term 'manufacturer' clearly refers to the company ALPEGO S.p.A.



ALPEGO S.p.a., reserves the right, at any time, to make any changes to the machine in order to improve it.

### WARNING

The intended use and configurations of the machine are the only ones permitted by the manufacturer. Do not attempt to use the machine contrary to the instructions given. The instructions in this manual do not replace but summarise the obligations for compliance with current safety and accident prevention legislation.



some of the accessories described in the manual may not be present on your machine, depending on the equipment chosen and the market for which the machine is intended

### 1.1.1 Copyrights

The copyright for this operating and maintenance manual remains with ALPEGO S.p.A. These instructions are intended for assembly, operating and supervisory personnel. They contain technical regulations and drawings, which may not be reproduced in whole or in part, disseminated or used without permission for competitive purposes or communicated to third parties.

### 1.1.2 Use and storage of the manual

The purpose of this manual is to provide all the necessary information so that, in addition to the correct use of the machine, it can be operated as independently and safely as possible.

### WARNING

Before carrying out any work on the packaging and the machine, as well as before putting it into operation, operators and qualified technicians must carefully read the instructions in this manual and in the annexes and follow them carefully.

If you have any doubts as to the correct interpretation of the information in the documentation, please contact ALPEGO S.p.A. for clarification.

The manual is divided into chapters, paragraphs and sub-paragraphs, so the table of contents page provides an easy way to find any aspect of interest. The material in this document is provided for information purposes only and is subject to change without notice.

**⚠ ATTENTION**

Keep this manual, and all accompanying documentation, in good condition, legible and complete in all their parts.

**⚠ WARNING**

it is forbidden to remove, rewrite or otherwise modify the pages of the manual and their contents. Keep the documentation close to the machine, in an accessible place known to all operators. ALPEGO S.p.a. declines all responsibility for any damage to persons, animals and things caused by the non-observance of the warnings and operating methods described in this manual.

**⚠ WARNING**

Read this manual carefully before operating the machine. Otherwise you may fail to recognise possible dangerous situations that could cause serious injury to yourself and others



This manual must be kept for future reference

**⚠ ATTENTION**

This manual must be handed over with the machine if it is handed over to another user.

**⚠ ATTENTION**

In the event of loss or deterioration of the manual, request a copy from ALPEGO S.p.A. specifying the identification data of the document.

Operators and maintenance staff must be able to find and consult it quickly at any time.

The purpose of the manual is to provide the user and maintainer with all the information they need to install, operate and maintain the machine in order to ensure its best possible operation over time.

### 1.1.3 Symbols used in this manual

Below are the various symbols used in the manual to highlight information of particular importance:

#### **DANGER**

DANGER indicates a hazardous situation which, if not avoided, WILL inevitably result in SEVERE or MORTAL injury.

#### **WARNING**

Warning indicates a hazardous situation which, if not avoided, MAY result in SEVERE or DEATHLY injury.

#### **ATTENTION**

Caution indicates a high-risk situation which, if not avoided, MAY result in LIEVE or MODERATE injury.

#### **NOTICE**

Warning indicates a method or procedure that could result in DAMAGE to the PRODUCT



This icon indicates an important Note, information or insight.



This icon indicates Environment, an ecological environmental information or insight.



This icon indicates a Cross-reference, a piece of information or more detailed information in another chapter or paragraph.

### 1.1.4 Terminology and definitions

To make the understanding of some of the topics covered in this manual clearer, some of the terminologies used are given below:

- **System:** tillage control software.
- **Manufacturer:** ALPEGO S.p.a.

### 1.1.5 Numbering of figures and tables

Figure numbering is composed of the abbreviation of the term "figure" followed by a progressive number (e.g. Fig. 1). The numbering of tables is composed of the abbreviation of the term 'table' followed by a progressive number (e.g. Tab. 1). In both cases, the numbering is accompanied by an explanatory caption.

## 1.2 Description of personnel

This manual is intended for both the operator and the technicians responsible for the installation and maintenance of the machine.

### **⚠ WARNING**

Persons operating the machine must not carry out operations that are reserved for maintenance personnel. ALPEGO S.p.A. is not liable for any damage resulting from failure to observe this warning.

Depending on the degree of difficulty of certain machine installation, operation and maintenance operations, professional profiles are identified:

### 1.2.1 USER

Personnel in charge of operating the machine.

The USER must be fully familiar with all control and command devices and must be able to carry out the following operations:

- Connection / disconnection to the tractor.
- Cleaning interventions.
- Check the general integrity of the machine.
- Check that the machine settings are within the optimum parameters for the intended use.
- Check that the machine's productivity is as expected with the acceptance test.

### 1.2.2 MECHANICS REPAIRER

ALPEGO S.p.a.'s specialised equipment installers can carry out all assembly operations of the mechanics, hydraulic piping positioning and initial machine start-up at the customer's premises.

This operator also has the task of training the USER personnel and carrying out the testing operations.

The MECHANICAL REPAIRER must know how to carry out all adjustment and replacement operations of mechanics/hydraulic parts and devices of the machine, which are part of routine and extraordinary maintenance.

The mechanics repairer must be authorised by ALPEGO S.p.A.

## 1.3 Guarantees

Please check at the time of purchase that the machine is undamaged and complete. Any complaints must be made in writing within 6 (six) days of receipt of the machine.

Transport costs, lubricants, VAT and any customs duties shall in any case be borne by the Customer. Repairs and/or replacement of parts shall in any case not extend the terms of the Guarantee.

ALPEGO S.p.a. is only responsible for the machine in its original configuration in which is supplied and described in this manual: any intervention that alters its configuration or operation must be carried out by the manufacturer, or formally agreed upon.

Excluded from the guarantee are all parts subject to normal wear and tear (bearing housings, calibrated gauge screws and other wear and tear parts and their transport costs).

Also excluded from the guarantee are damages caused by transport or by errors, tampering or incorrect handling, and in any case by failure to observe ordinary/special maintenance, the specified limits of use and the operating instructions provided.

The manufacturer shall not be liable not only for consequential damage, but also for all damage that is wholly or partially attributable to the customer's negligence.

All warranty service, extraordinary maintenance and repair operations are not the responsibility of the operator or maintenance personnel, but are reserved for the machine manufacturer's specialist technicians.

For details and duration of the guarantee, please refer to the general sales conditions in the contractual documents.

The builder may make use of the assistance provided by the manufacturer, but must scrupulously observe the requirements set out above and in particular

- Always operate within the operating limits of the machine as indicated in this manual.
- Always carry out constant and diligent maintenance.
- Always use original spare parts.
- Adequately trained operators of proven ability and aptitude to use the machine.



The guarantee conditions are in any case subject to the general terms and conditions of sale at the time of conclusion of the contract. The guarantee expires if:

- A manoeuvring error should occur.
- A shanks safety screw not corresponding to the requirements is used.
- Should the permitted power limit be exceeded.
- The instructions described in this manual were not followed.
- No original spare parts were used.
- Any changes are made without the manufacturer's authorisation.

## 1.4 Updating the Manual

The information, descriptions and illustrations contained in the manual reflect the state of the art at the time the machine of which it is an integral part was placed on the market and complies with all laws, directives, standards applicable at that time; it may not be considered inadequate simply because it was subsequently updated on the basis of new experience.

Any modifications, adaptations, etc. made to the machines marketed at a later date do not oblige the manufacturer to intervene on the previously delivered machine or to consider it and its manual as deficient and inadequate.

Any additions to the manual that the manufacturer deems appropriate to send to users must be kept together with the manual, of which they will form an integral part.



The manufacturer reserves material and intellectual property rights to this publication and prohibits its dissemination and duplication, even in part, without his prior written consent.

## 1.5 Collaboration with the user

The manufacturer is available to provide further information and to consider proposals for improvement in order to make this manual more responsive to the needs for which it was prepared.



If the machine is transferred, the primary user is requested to inform the manufacturer of the address of the new user so that he can be reached with any communications and/or updates deemed essential.



## **2 MANUFACTURER**

### **2.1 Builder's name and address**

The following is the manufacturer's identification data:

ALPEGO S.p.A.

Head Office: Via Torri di Confine, 6 36053 GAMBELLARA (VICENZA) - ITALY

Registered Office: Via Giovanni e Giuseppe Cenzato, 9 36045 LONIGO (VICENZA) - ITALY

Tel: +39 0444/646100

Fax: +39 0444/646199

E-mail: [info@alpego.com](mailto:info@alpego.com)

Website: [www.alpego.com](http://www.alpego.com)

### **2.2 Instructions for requesting interventions**

For service, the user must necessarily contact his dealer from whom he purchased the machine.

### 3 SWITCHING ON THE SYSTEM

#### 3.1 Foreword

- For its operation, the ISOBUS system described in this manual requires an ISOBUS-compatible tractor (UT licence on the terminal) or alternatively an ISOBUS harness + terminal to be mounted on a non-ISOBUS-compatible tractor (sold separately)
- The ISOBUS system described in this manual is already set up for use with variable rate, any TC - BAS, TC - GEO licences to use those functions remain the responsibility of the customer.

**!** After connecting the ISOBUS connector to the tractor, it is important to consider that it takes time for the object pool (i.e. the machine control application) to load correctly into the tractor's system display. The time may vary from tractor to tractor.

#### 3.2 First Start-up



Start the ALPEGO AI application

The application screen looks like this

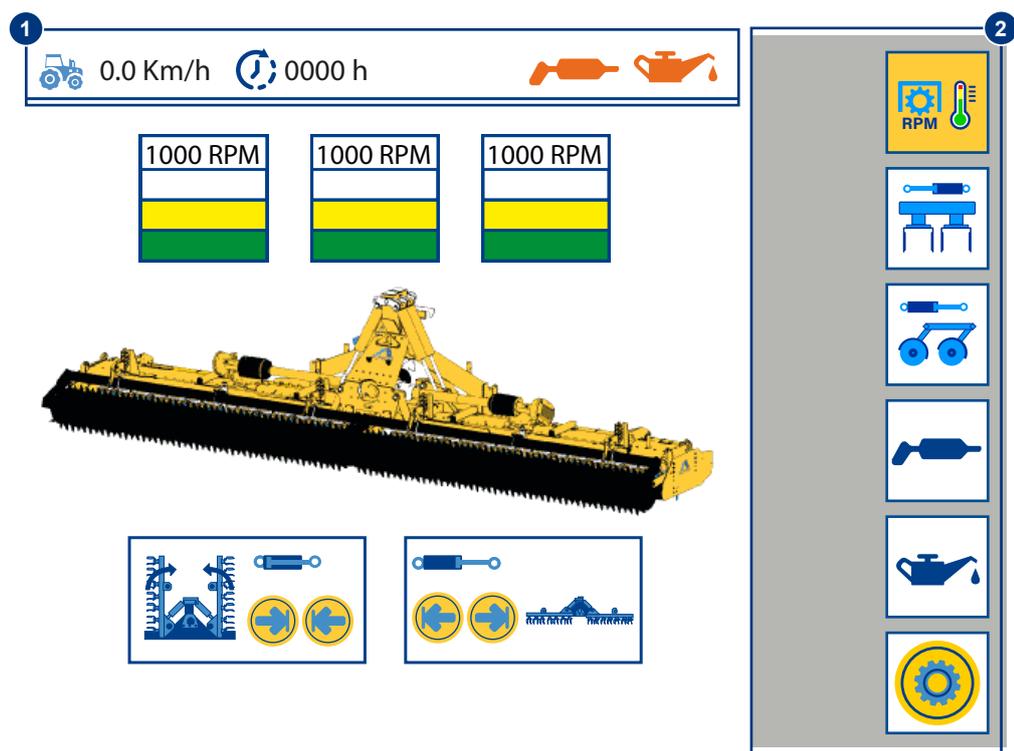


Fig. 1 Main page

**!** The screenshot is for illustrative purposes only, it varies depending on the type of system installed.

- |          |                   |  |
|----------|-------------------|--|
| <b>1</b> | Status bar        | This bar is present on every control page and allows you to view some useful information         |
| <b>2</b> | Softkey side menu | The side menu has buttons to access the control pages plus quick management buttons and settings |

### 3.3 Status bar

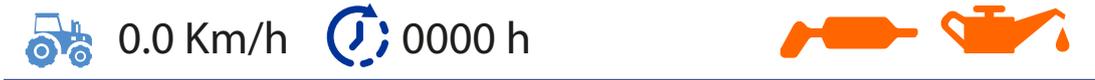
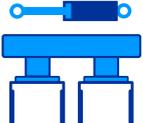
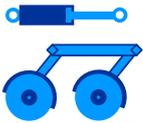


Fig. 2 Status bars

- |   |   |
|---|---|
|    | This icon shows the forward speed transmitted by the tractor via ISOBUS |
|    | Shows the total hours of machine use                                    |
|    | Notification of component greasing maintenance                          |
|  | Transmission oil change maintenance notification                        |

### 3.4 Softkey side menu

SOFTKEY	COMMAND	DESCRIPTION
	Temperature Monitoring Page	Pressing the button takes you to the transmission gearbox temperature monitoring page and cardan shaft(s) revs <a href="#">See Section "3.5 - Temperature monitoring page"</a>
	Page Soil tillage	Pressing the button accesses the page for hydraulically controlling certain machine movements inherent to soil tillage. <a href="#">See Section "3.6 - Page Soil tillage"</a>
	Page Seeding	Pressing the button accesses the page for hydraulically controlling certain Seed drill movements. <a href="#">See Section "4 - Seed-drilling interface"</a>
	Reset maintenance greasing	Pressing the button for 5 sec. resets the greasing maintenance notifications.

	<p>Oil change maintenance reset</p>	<p>Pressing the button for 5 sec. resets the oil change maintenance notifications.</p>
	<p>Settings</p>	<p>Press the button to access the settings menu.</p> <p> See Section "9 - SETTINGS"</p>

### 3.5 Temperature monitoring page

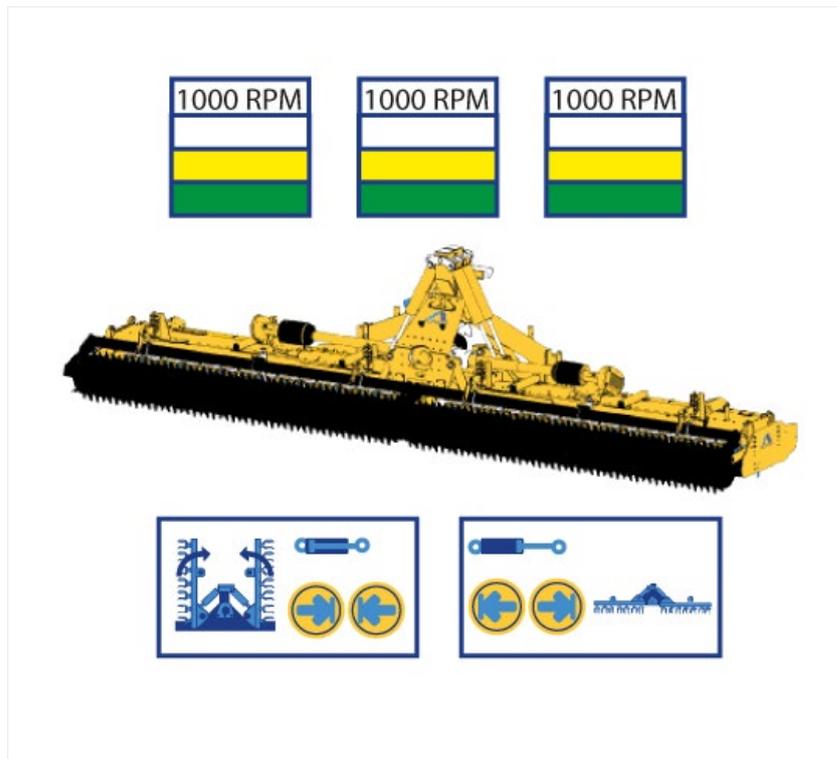


Fig. 3 Temperature monitoring page

 If the power harrow is fixed, only the temperature and revolutions of the central transmission are present and the open/close controls are not available. Opening and closing functions are only available with the AI MOVE package.

BUTTON	COMMAND	DESCRIPTION
	<p>Machine closure</p>	<p>Constant pressure on the button starts the closing phase of the machine. Keep pressed</p>
	<p>Machine opening</p>	<p>Constant pressure on the button starts the opening phase of the machine</p>

ICON	DESCRIPTION
	The revs measured at the transmission input are shown.
	Ambient temperature
	Normal working temperature
	Heavy-duty working temperature

**⚠ WARNING**

Opening or closing manoeuvres are particularly dangerous, always ensure that there are no persons, animals or obstacles within the opening radius of the machine.

### 3.6 Page Soil tillage

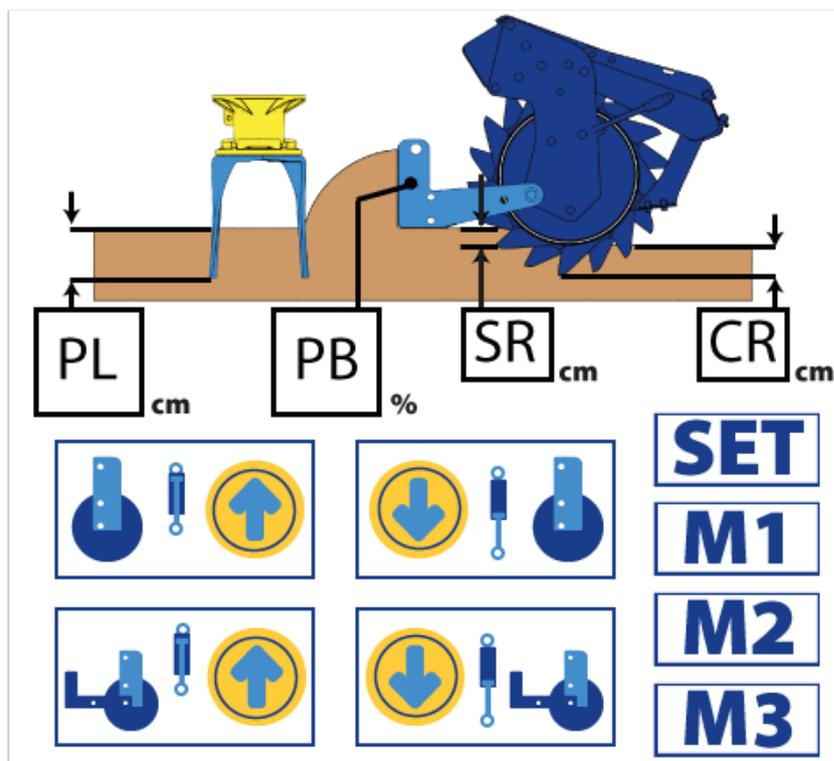


Fig. 4 Tillage page

ICON	DESCRIPTION	
	Measures the current working depth in cm. It updates as the working depth buttons are pressed.	
	Percentage measurement of the current levelling bar position. It updates as the buttons on the levelling bar are pressed: <ul style="list-style-type: none"> <li>• 0% equals an all-high bar</li> <li>• 100% equals one bar all the way down</li> </ul>	
BUTTON	COMMAND	DESCRIPTION
	Roller sinking	By pressing the button, you can enter the measurement in cm of the roller depth according to the soil type.
	Roller crest height	By pressing the button, the measurement in cm of the roller ridge height can be entered. The measurement must be entered according to the wear of the roller crest.
	Increased working depth	Constant pressure on the button increases the working depth by raising the roller

BUTTON	COMMAND	DESCRIPTION
	Decreased working depth	Constant pressure on the button decreases the working depth by lowering the roller
	Lifting the crumbling bar	Constant pressure on the button raises the levelling bar
	Lowering the crumbling bar	Constant pressure on the button lowers the levelling bar
	SET Function	<p>The SET function ensures that the correct working depth is always available even if the power harrow tines wear out.</p> <p>Pressing the button for 3 sec. stores the neutral point of the tool depth.</p>
	Memory Functions	<p>Memory functions save customised working states, such as levelling bar and depth, which can be recalled at any time.</p> <p>Pressing the button for 3 secs stores the currently set depth parameters.</p> <p>Press the button to recall the saved condition at any time.</p>

 See Section "6.3 - Reset working depth"

## 4 SEED-DRILLING INTERFACE

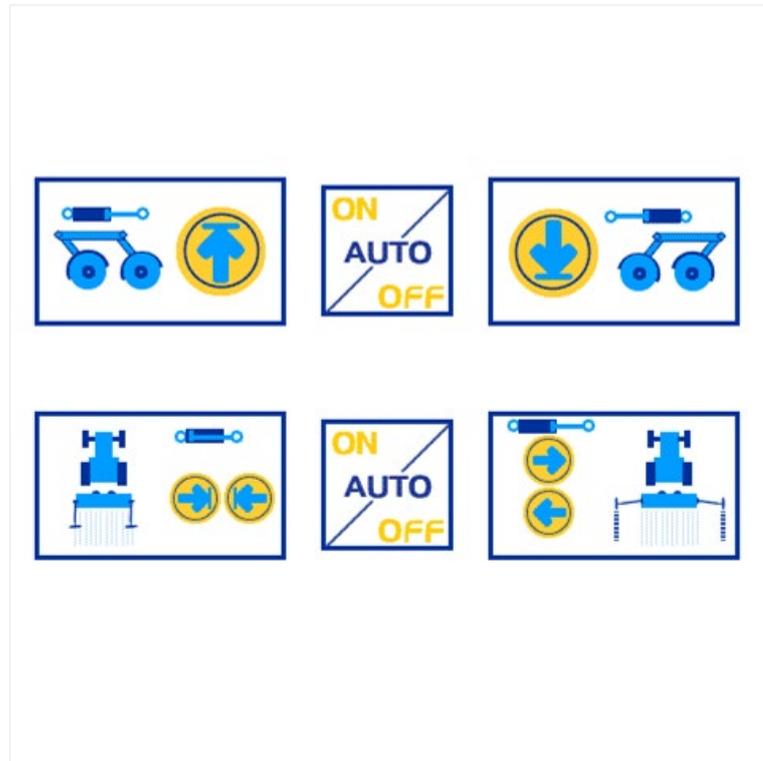
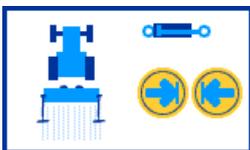
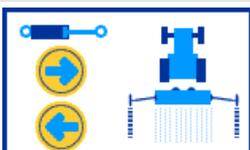


Fig. 5 Seed-drilling page

BUTTON	COMMAND	DESCRIPTION
	Seed-drilling bar exclusion	By pressing the button, the seed-drilling bar can be excluded.
	Restoring the seed-drilling bar	Pressing the button resets the seed-drilling bar.
	Closing row marker discs	By pressing the button, the row marker discs can be closed.
	Opening row marker discs	Press the button to open or swap the right or left only row marker discs

BUTTON	COMMAND	DESCRIPTION
	Automatic modes	<p>Pressing the button activates the function that automates the exclusion of the seed-drilling bar each time the tractor's lift is operated:</p> <ul style="list-style-type: none"> <li>• High lift               <ul style="list-style-type: none"> <li>○ Seed-drilling bar excluded</li> </ul> </li> <li>• Low lift               <ul style="list-style-type: none"> <li>○ Restored seed-drilling bar</li> </ul> </li> </ul> <p> Ensure that the tractor is equipped with a lift signal on the ISOBUS line</p> <hr/> <p>Pressing the button activates the function that automates the exchange of row marker discs each time the tractor's lift is operated:</p> <ul style="list-style-type: none"> <li>• Low lift               <ul style="list-style-type: none"> <li>○ Exchange of row marker discs</li> </ul> </li> </ul> <p> Ensure that the tractor is equipped with a lift signal on the ISOBUS line</p>

**⚠ WARNING**

Using the automatic mode can be dangerous; do not enable this function if the working area is not clear of people, animals or obstacles of any kind.

## 5 DEPTH INTERFACE



Start the ALPEGO AI application

The application screen looks like this

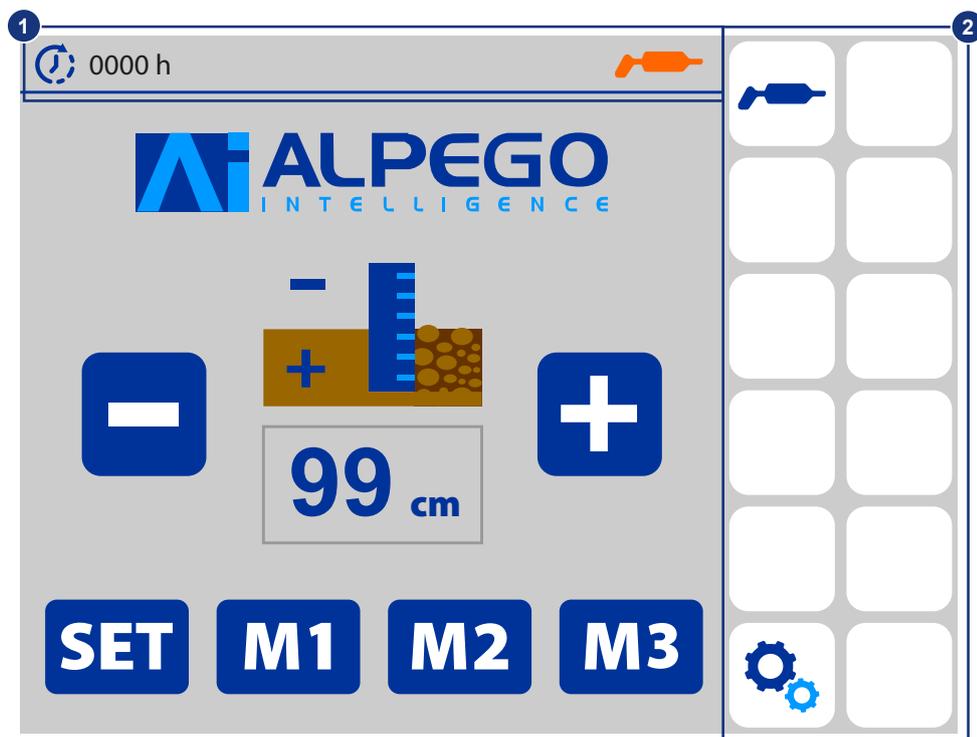


Fig. 6 Depth main page

 The Depth version presents only one page.

- |          |                   |  |
|----------|-------------------|--|
| <b>1</b> | Status bar        | This bar is present on every control page and allows you to view some useful information         |
| <b>2</b> | Softkey side menu | The side menu has buttons to access the control pages plus quick management buttons and settings |

### 5.1 Status bar



Fig. 7 Status bar

	Shows the total hours of machine use
	Notification of component greasing maintenance

## 5.2 Softkey side menu

SOFTKEY	COMMAND	DESCRIPTION
	Reset maintenance greasing	Pressing the button for 5 sec. resets the greasing maintenance notifications.
	Settings	Press the button to access the settings menu.  See Section "9 - SETTINGS"

## 5.3 Work page

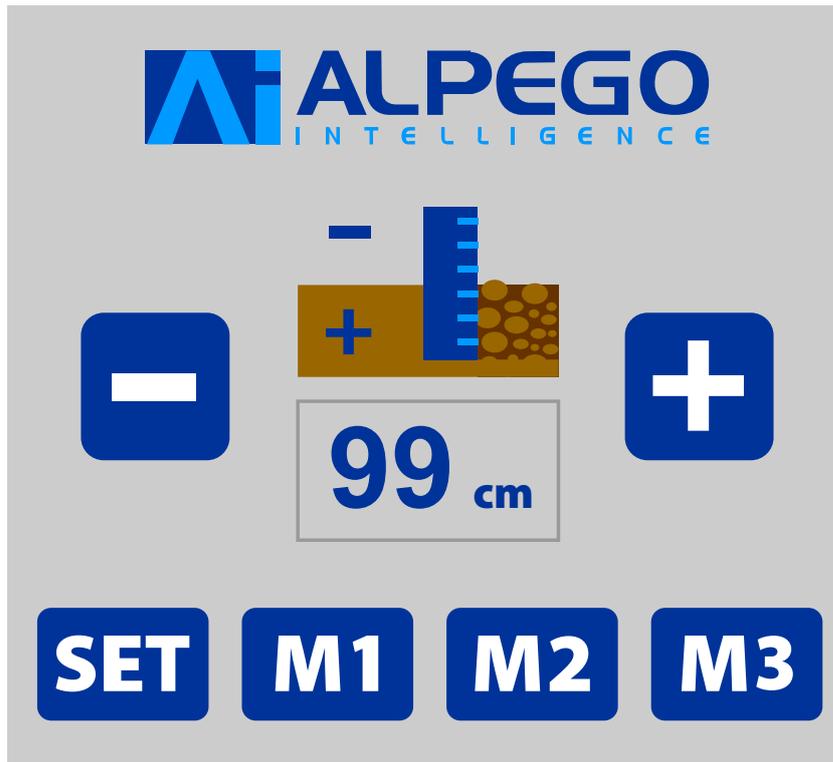


Fig. 8 EasyDepth page

ICON	DESCRIPTION	
	Measures the current working depth in cm. It updates as the working depth buttons are pressed.	
BUTTON	COMMAND	DESCRIPTION
	Increased working depth	Constant pressure on the button increases the working depth by raising the roller
	Decreased working depth	Constant pressure of the button decreases the working depth by lowering the roller
	SET Function	<p>The SET function ensures that the correct working depth is always available even if the power harrow tines wear out.</p> <p>Pressing the button for 3 sec. stores the neutral point of the tool depth.</p> <p> See Section "6.3 - Reset working depth"</p>
	Memory Functions	<p>Memory functions save customised working states, such as levelling bar and depth, which can be recalled at any time.</p> <p>Pressing the button for 3 secs stores the currently set depth parameters.</p> <p>Press the button to recall the saved condition at any time.</p>

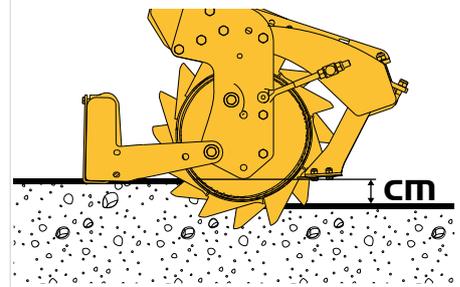
## 6 WORKING PARAMETERS

The following parameters serve to ensure optimal soil tillage, please pay attention to the volumetric values entered. Images showing the roller are for illustration purposes only.

### 6.1 Roller sinking

This is the depth to which the roller penetrates the ground when using the machine.

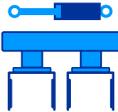
it is the responsibility of the USER to set this measurement in the system to ensure correct calculation of the working depth.



**!** It is advisable to adjust this measurement according to soil characteristics, increasing it for sandy soils and decreasing it for hard soils.

#### 6.1.1 Basic interface

To enter the roller sinking data, proceed as follows:

SOFTKEY	EDUCATION
	Go to the tillage page

BUTTON	EDUCATION
	Press on the 'Roller Depth' button and enter the value

Alternatively:

SOFTKEY	EDUCATION
	Go to Settings

BUTTON	EDUCATION
	Press on the 'User Parameters' command

PARAMETER	EDUCATION
 Sprof. roller	Enter the value in cm in Parameter 29: "Roller thickness".

### 6.1.2 Depth interface

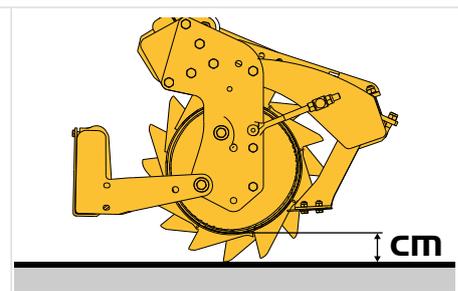
To enter the roller sinking data, proceed as follows:

SOFTKEY		EDUCATION
		Go to Settings
BUTTON		EDUCATION
		Press on the 'User Parameters' command
PARAMETER		EDUCATION
	Sprof. roller	Enter the value in cm in Parameter 29: "Roller thickness".

## 6.2 Roller Ridge

This is the length in cm of the roller crest. As it is a wearing component, it must be constantly updated by correctly measuring the length of the ridge.

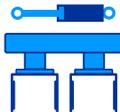
it is the responsibility of the USER to set this measurement in the system to ensure correct calculation of the working depth.



### 6.2.1 Basic interface

To enter the roller crest data, proceed as follows:

1. Measure the height of the ridge with a measuring tape
2. Now switch to the electronic control interface

SOFTKEY		EDUCATION
		Go to the tillage page
BUTTON		EDUCATION
		Press the 'Roller Crest Height' button and enter the measured value

Alternatively:

SOFTKEY		EDUCATION
		Go to Settings
BUTTON		EDUCATION
		Press on the 'User Parameters' command
PARAMETER		EDUCATION
	Roller Ridge	Enter the measured value in Parameter 30: 'Roller Ridge'.

### 6.2.2 Depth interface

To enter the roller crest data, proceed as follows:

1. Measure the height of the ridge with a measuring tape
2. Now switch to the electronic control interface

SOFTKEY		EDUCATION
		Go to Settings
BUTTON		EDUCATION
		Press on the 'User Parameters' command
PARAMETER		EDUCATION
	Roller Ridge	Enter the measured value in Parameter 30: 'Roller Ridge'.

## 6.3 Reset working depth

This procedure allows the depth to be set correctly even if the machine tools are worn.

**!** The working depth can also be reset using the Universal Machine system, which includes many types of tillage machines. The image below is an example.

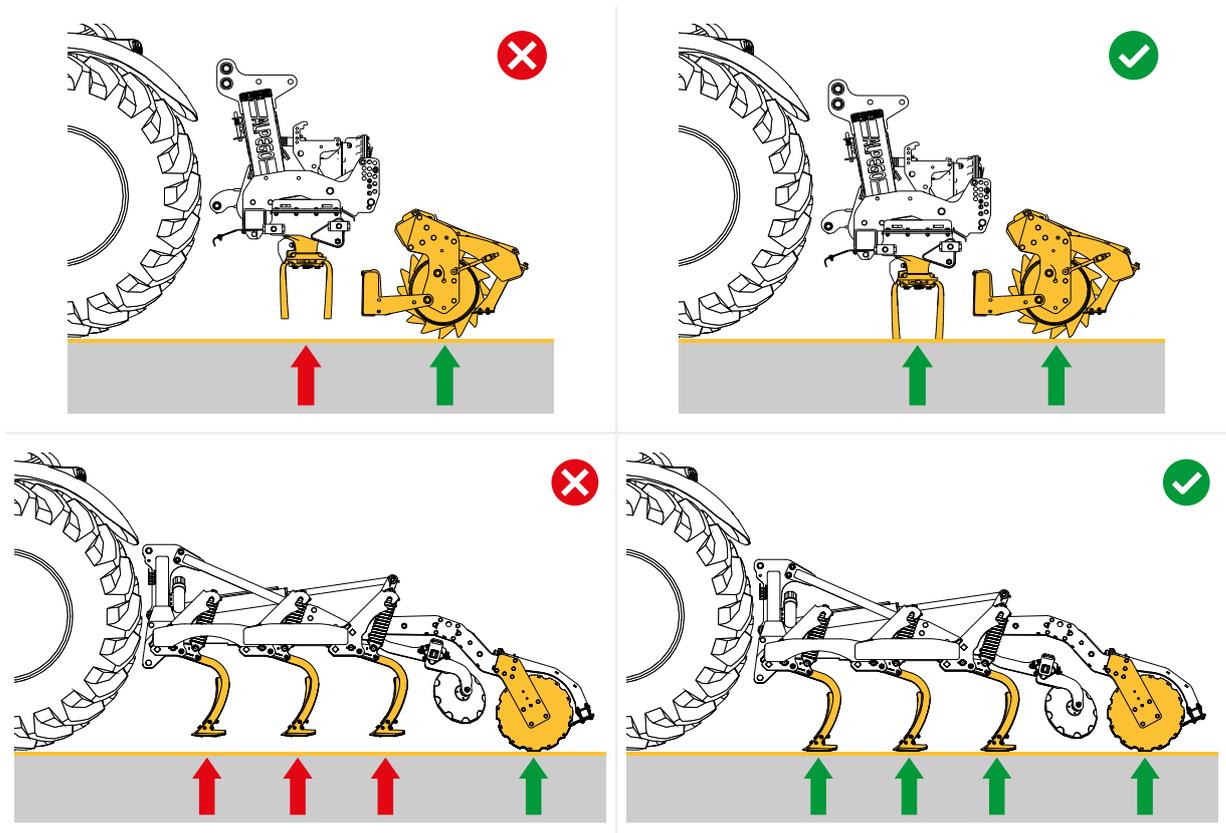


Fig. 9 Reset working depth

### 6.3.1 Basic interface

1. First place the machine on a firm, level surface (ideally a concrete forecourt)
2. Control the third point to ensure that the machine is parallel to the ground
3. Now switch to the electronic control interface

BUTTON	EDUCATION
	<p>Act on the buttons to increase or decrease the working depth so that it rests perfectly on the ground. Hold down the button until the desired position is reached.</p>
	<p><u>Take care that the roller does not lift the tools off the ground.</u></p>



Press and hold the button for 3 sec. to reset the working depth.  
A confirmation message will advise of the successful saving.



Make one pass over the ground with the machine to evaluate the result and make any further adjustments.

### 6.3.2 Depth interface

1. First place the machine on a firm, level surface (ideally a concrete forecourt)
2. Control the third point to ensure that the machine is parallel to the ground
3. Now switch to the electronic control interface

BUTTON	EDUCATION
 	<p>Act on the buttons to increase or decrease the working depth so that it rests perfectly on the ground. Hold down the button until the desired position is reached.</p> <p><u>Take care that the roller does not lift the tools off the ground.</u></p>
	<p>Press and hold the button for 3 sec. to reset the working depth. A confirmation message will advise of the successful saving.</p>



Make one pass over the ground with the machine to evaluate the result and make any further adjustments.

## 6.4 PAGE AUX-N

All hydraulic movements can be associated with the buttons of an AUX-N compatible auxiliary device.

**!** This function is only available if you have a terminal with activated **AUX-N** licences and the auxiliary device must be **AUX-N**

Once the section corresponding to AUX-N has been identified on the monitor, associate the AI MOVE functions to the programmable joystick buttons as desired. Using the joystick application, it is also possible to see which function is associated for each selected button.

For different types of monitors and/or auxiliary devices, the procedure may be different (see the monitor's proprietary manual for more information). Below is an example of an AUX - N association:

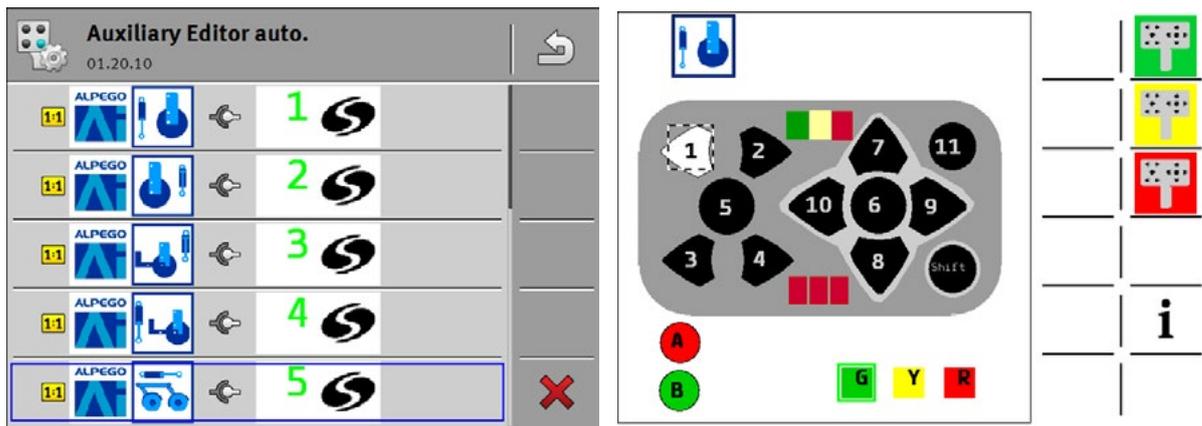


Fig. 10 AUX Device Editor

**!** Once the association has been made, it remains even if the equipment is disconnected, as long as the previously used monitor is used.

## 7 VARIABLE ACCRUAL

The AI system allows the management of certain hydraulic functions via prescription maps, in particular:

- Working depth on all machine models
- Seed-drilling depth on seed drills



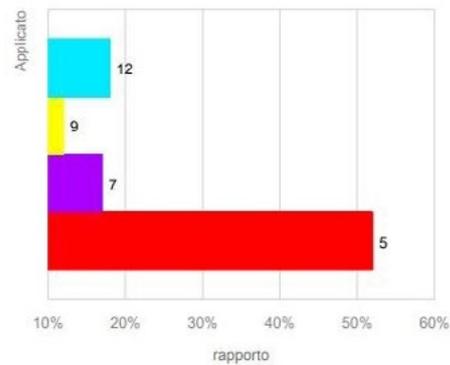
This function is only available if you have a terminal with activated **TC-BAS** and **TC-GEO** licences

Example of a prescription map:

Zone		
1		0.8 ha 5.0 cm
2		0.3 ha 7.0 cm
3		0.2 ha 9.0 cm
4		0.3 ha 12.0 cm



Legenda



## 8 EMERGENCY HAND CONTROL

In the event of an electrical fault affecting the normal operation of the electro-hydraulic block, the valves can be manually operated to ensure the continuation of operations or to secure the system. It is recommended to carefully follow the instructions below to carry out the intervention safely and effectively

### ⚠ ATTENTION

Ensure that the work area is free of hazards/obstacles and that only authorised operators are present

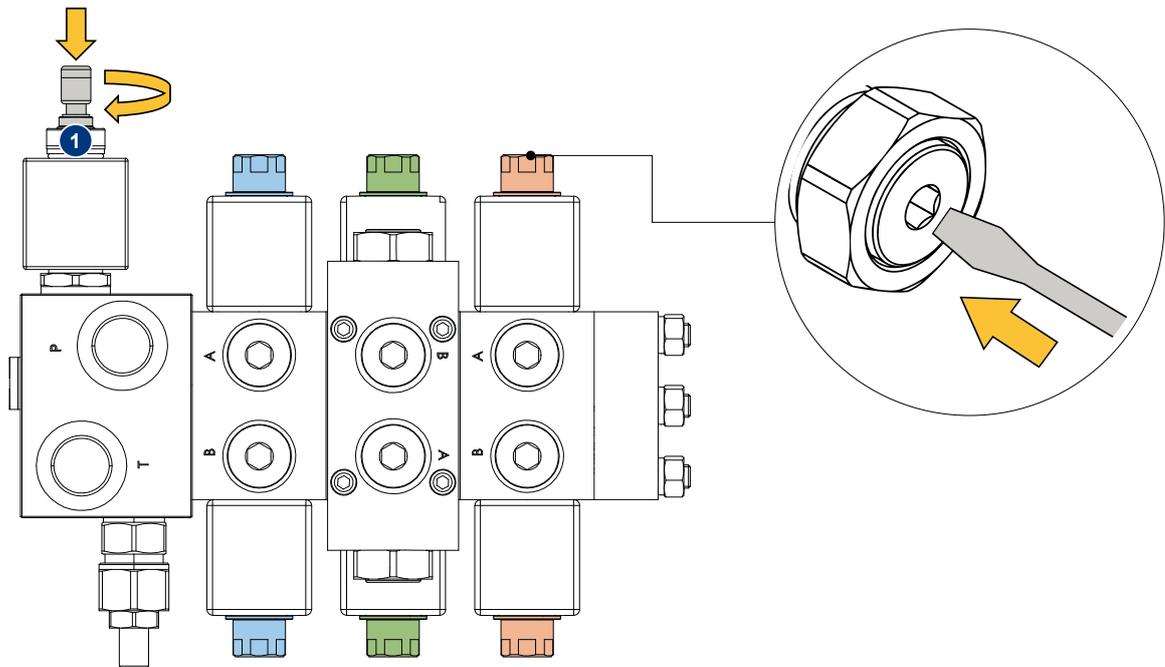


Fig. 11 Seed-drilling page

PIN	FUNCTION
	Foldable
	Crumbing bar
	Roller

1. Supply oil continuously from the tractor (max. 15 l/min)
2. Press and turn the general valve button clockwise **1**
3. Identify one of the three functions to be activated according to the table above. (side A or B depending on the direction of movement)
4. Push the pin of the chosen function with an appropriate tool (screwdriver type)
5. Maintain pressure for as long as it takes to perform the desired manoeuvre
6. Release when manoeuvre is complete
7. At the end of all operations, turn the general valve button anti-clockwise to restore normal system operation

## 9 SETTINGS

Pressing the 'Settings' button from any screen displays the machine's system settings

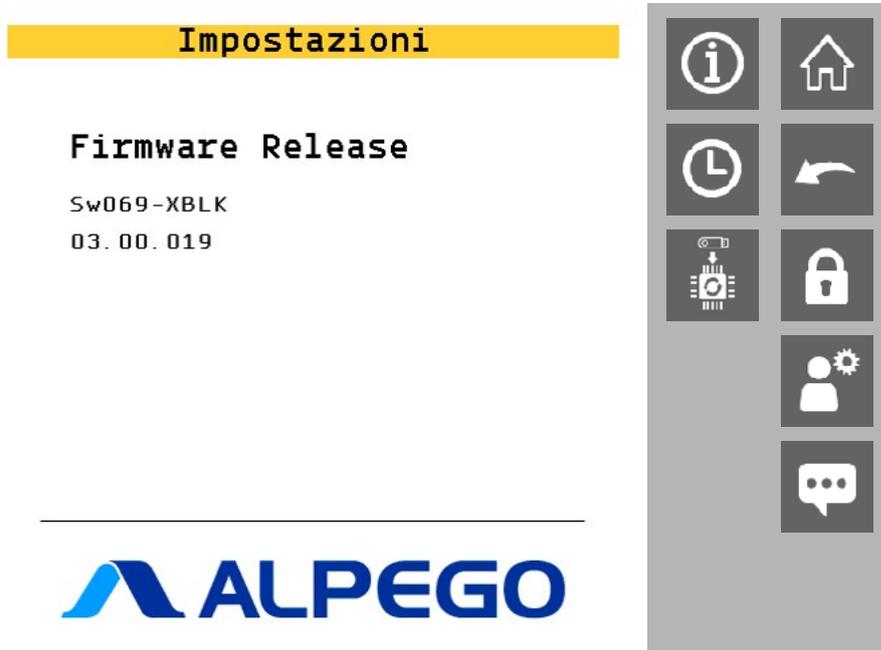


Fig. 12 Settings Page

BUTTON		DESCRIPTION
	ISOBUS	Setting the ISOBUS correctly  See Section "9.1 - ISOBUS"
	Date and Time	Date and Time Setting. The system automatically takes the date and time from the connected display
	Home	Return to main screen
	Back	Return to previous screen
	User Parameters	User-modifiable parameters  See Section "9.2 - User Parameters"
	Next page	Button in the Settings submenu, allows you to switch to the next page
	Previous page	Button in the Settings submenu, allows you to switch to the previous page

## 9.1 ISOBUS

By pressing on the 'ISOBUS' icon, you access the relevant settings

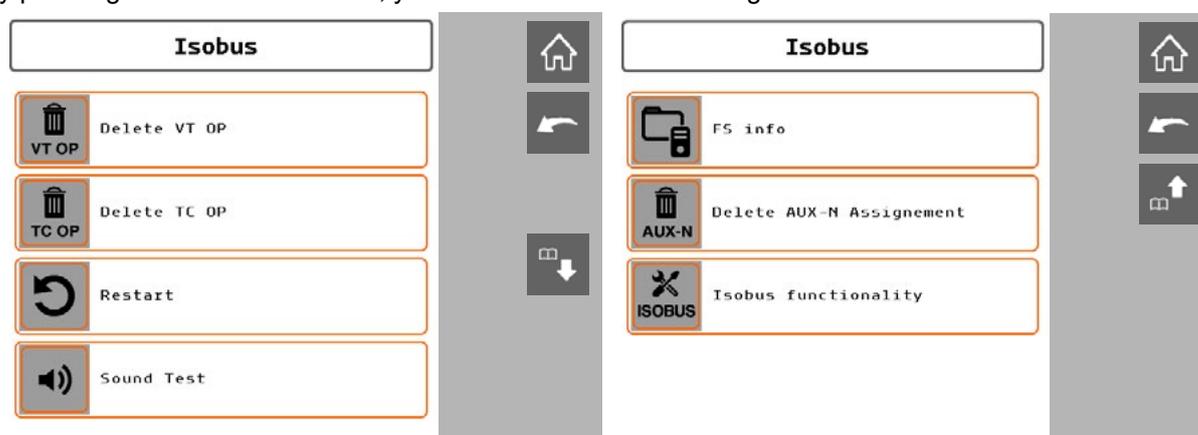


Fig. 13 Settings>ISOBUS page

BUTTON	DESCRIPTION
 Delete VT OP	Delete object pool virtual terminal. Pressing this button will delete the object pool and reload it into the system.
 Delete TC OP	Delete object pool task controller. Pressing this button deletes the object pool of the task controller and reloads it into the system.
 Restart	Reboot the system
 Sound Test	It performs the monitor sound signal function test.
 FS info	Performs the test to verify the operation of the monitor file server.
 Delete AUX-N Assignments	Delete function assignments of a connected AUX-N accessory. If, for example, functions have been saved on an external controller, this command can be used to reset the assignments made.
 Isobus functions	Enables or disables task controller functions (TC-BAS, TC-GEO, TC-SC)

## 9.2 User Parameters

By clicking on the 'User Parameters' icon, it is possible to access the settings that can be configured by the user.



Special attention should be paid to the settings in this menu, as they include important machine behaviour parameters (e.g. machine opening times). It is essential to consider that these settings may vary depending on the tractor model and must be adjusted carefully to ensure correct operation.

PARAMETER	DESCRIPTION	DEFAULT
5 Task Controller	Activates or deactivates the Task Controller	On
9 Instance VT	Unique numeric identifier associated with the Virtual Terminal instance	0
10 TC request	Unique numeric identifier associated with the Task Controller instance	0
29 Sprof. roller	Set the roller sink height value in cm	X* cm
30 Roller Ridge	Set the value of the roller ridge height measured in cm	X* cm
54 Alarm Volume	Alarm sound volume	10
64 Working width	Value of machine width in cm	X* cm
65 TC Bas	Activates or deactivates the Task Controller Basic function	Yes
66 TC Geo	Activates or deactivates the Geo-Based Task Controller function	Yes
67 TC Sc	Activates or deactivates the Task Controller Section Control function	Yes
70 Sel Hitch	Type of tine	Rear 3 points

\* The value indicated varies depending on the machine owned, the actual value will be the specific factory setting

## 10 DIAGNOSTICS

### 10.1 Events

ALARM	DESCRIPTION	RESOLUTION
<b>High group temperature (+ name of centre, right or left group)</b>	The temperature of one or more drive units is above standard values	Make sure you have carried out the necessary maintenance (oil change or level check)  Reducing the machine's workload (forward speed, working depth, etc.)
<b>Centre drive shafts out of range</b>	The rotation speed of the central shaft is out of the expected range   This alarm has an activation delay of 30 seconds to allow for end-of-range manoeuvres at under 1000 rpm	Make sure the correct pto speed is set on the tractor  Check the positioning of the sensor in relation to the magnetic striker on the rotating shaft (maximum distance 4 mm)
<b>Right/left shaft turns out of range</b>	The rotation speed of the left/right drive shafts is out of the expected range	Make sure the correct pto speed is set on the tractor  Wrong gear ratio, check gears (only for machines with central transmission)  Check the positioning of the sensor in relation to the magnetic striker on the rotating shaft (maximum distance 4 mm)
<b>Left/right drive shafts blocked</b>	Signal that a lateral limiter has tripped	Lift the machine to decrease the load and allow the limiter to be re-engaged (with automatic cam clutch) or replace the bolt (with bolt limiter)  Check that there are no foreign bodies blocking the rotation of the working parts (stones, metal pieces, etc.)  Check the positioning of the sensor in relation to the magnetic striker on the rotating shaft (maximum distance 4 mm)
<b>Absent device (+ device name)</b>	The control unit does not find a particular device in the system already at start-up or when already started it stops receiving messages	Check the status of the device  Check Wiring

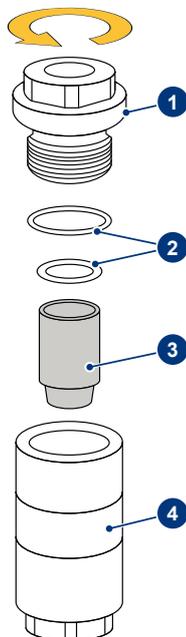
ALARM	DESCRIPTION	RESOLUTION
No communication	The control unit does not find any devices in the system	<p>Check wiring</p> <p>Check that the connectors are firmly plugged into the sockets on the control unit</p> <p>If the problem persists, please contact technical support</p>

## 10.2 Maintenance

	Greasing maintenance notice	<p>Notification of necessary greasing of the machine (every 10 hours)</p> <p>Lubricate the machine if grease nipple is present, then reset the notification via the side button</p>
	Oil Maintenance Notice	<p>Notification of necessary oil change of the machine's transmission(s) (first time after 30 hours, thereafter after 400 hours)</p> <p>Change the oil of the transmission(s), then reset the notification via the appropriate side button</p>

### 10.2.1 Filter replacement

The delivery pipe has a filter in series; if clogged, the cartridge must be replaced. In this case, proceed as follows:



1. Make sure that the system is switched off and that there is no residual pressure in the filter.
2. Unscrew the filter cup (4) by turning it anticlockwise and remove it
3. Remove dirty filter element (3)
4. Clean the filter cup (4) thoroughly; check the condition of the gaskets (2) and replace them if necessary.
5. Insert the new cartridge (3) into the filter cup (4)
6. Lubricate the thread of the filter container (4) and screw it by hand into the filter head (1) by turning it clockwise
7. Screw the cup up to the stop





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