QUICK GUIDE - DB 3610- FIRMWARE 4.5.16

May 2016

TheSprayer

DESCRIPTION OF BUTTONS

-Enter the screen to change L / ha – hold down 3 sec
-Exit the change L / ha - 1 touch
-Go from one menu to another - 1 touch
-SONAR activation (if any)

- Switch on the system - 1 touch
- Switch off the system - hold down 3 sec
-Opening and closing all sections

- With regulator **REG** Off-increase pressure
-With regulator **REG** ON- increase percentage of L / ha + 5% (up to + 20%)
-Increase value

-Accessing configuration menus – hold down 3 sec
-Exit the configuration menus - 1 touch
-Move the cursor to the left in a value
-Enable and disable the automatic regulator
-Put a value in edit mode
-Save the changes made on a value

-With regulator **REG** OFF-decrease pressure
-With regulator **REG** ON- decrease the percentage of L / ha -5% (up 20%) L / ha -5% (up 20%)
-Decrease a value

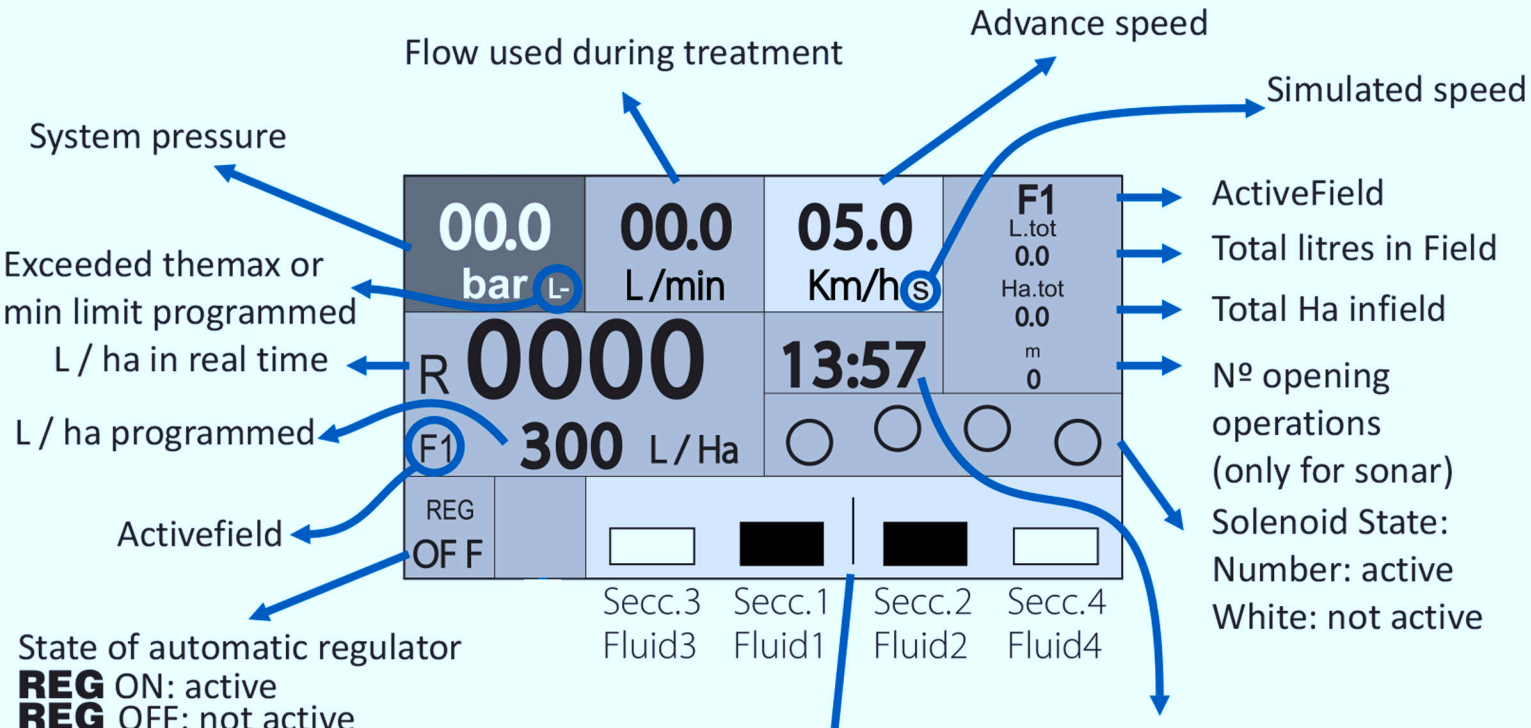
-Move the cursor to the right in one value.

Individual section opening(4 section at most)

Digital screen in grey

Activating solenoidsfor for the hydraulic movement Max. 4 hydraulic functions

DESCRIPTION OF THE MAIN SCREEN

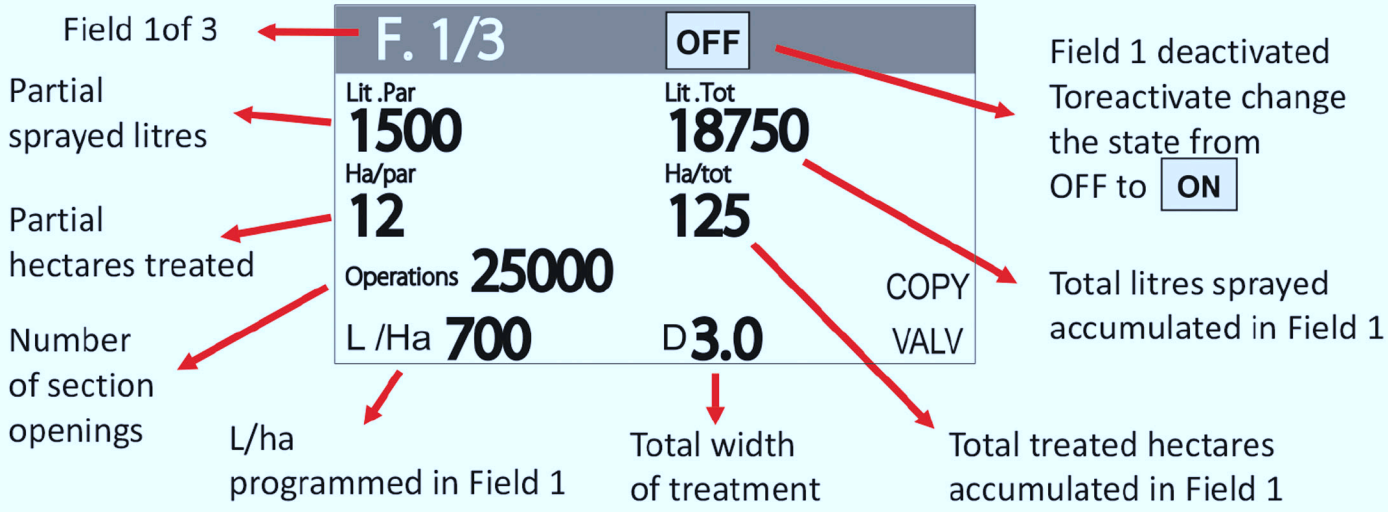


DB3610 USE

Press the on / off button (1 pulse). The system starts to load the configuration that is in the computer memory. When the charging is completed, the main screen, which is the working screen, appears.

- SPRAYING: Changing the application volume (L / ha)

To enter the litres per hectare, press until the following screen appears.The first step is to activate the field, 1, 2 or 3, you want to change the L / ha. Press to activate it.



Press the button. The litres per hectare will be shown in a box. Press to make the value of litres per hectare go into edit mode. The value is modified digit by digit. To change the value use the buttons to increase or to decrease it. To switch from one number to the next one press or .To end press to save the new value. Finally, press to return to the main screen.

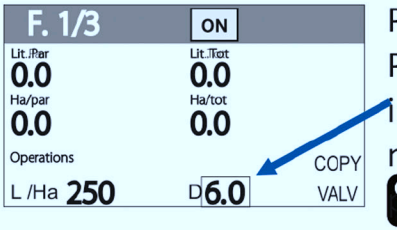
- SPRAY: Spraying with automatic regulation

To start the spray job, press the button . The state of the automatic regulator **REG** will change to ON
The pressure will increase or decrease depending on the speed. If you need to close all open water sections at a time when getting to the end of a line (represented by a black square ■), it only takes one press of the button . The sections on the screen will become a white square □ . When you enter the new line, press again . The active sections will open again and the square will change to black ■.

- SPRAY: Changing the width of treatment

If you sprayfields with different line widths, you must change the treatment width (represented by a D on the screen).

To change this value, press the button and the following screen appears.



Press 2 times the and a boxwill appear on the value D.
Press to enable the value to be changed. Edit using the buttons to increase and to decrease it . To switch from one number to the next press or .To end press to save the new value. Finally, ess

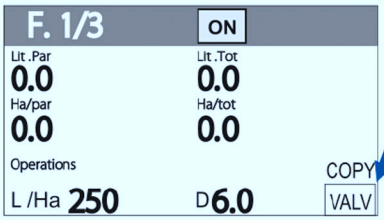
The D value is expressed in meters. It refers to the width of a complete treatment. If you spray using a bar sprayer (for vineyards), treatments could be made up to 4 complete lines. In this case, the value of D must be the result of the multiplication of the line width by the number of fully treated rows.

For example: A line width of 3 m, a boom of 4 half-surfaces (2 complete lines) would be the same as multiplying 3m x 2 = 6. You should introduce 6 in the D value.

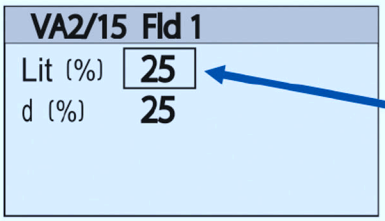
The same machine in a line width of 3.5 mwould be 3.5 x 2 = 7 m as a D value. (Continues)

WHITE: not active detects an error)

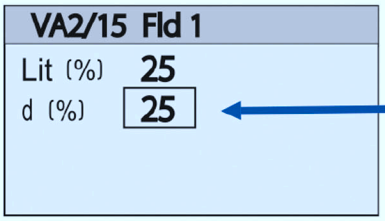
A part from the treatment width, it is also necessary to indicate the system what percentage of the sprayed volume will each water section use. By doing so, when a water section is closed, the system will do the correct calculation to continue spraying the programmed dose.
To change this value follow the steps bellow:



Press S for 3 seconds to enter the Fields screen **(F. * / *).** Press ↓ button repeatedly until a box appears on **VALV.**
Press the button to enter REG the valves menu. In this menu you can change the percentage of the volume used by each water section and the percentage of the total distance that treats each one.



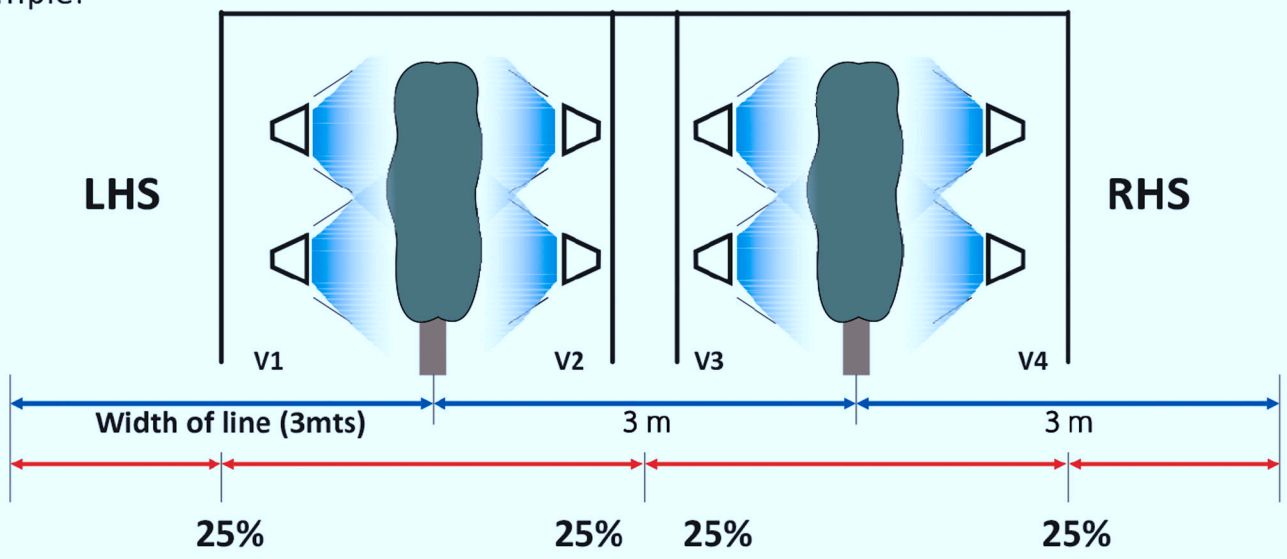
On the top of the menu you'll see the valve on which we will change values. In this case is the fluid **valve 1 (FLD)**, which refers to the water section 1. The value Lit**(%)** refers to the percentage of litres that this section will spray out of the total. To calculate the percentage is very simple, 100% / 4 sections (one line per section) = 25% each valve. To change the value press REG and edit it with the arrows.



Now you must change the percentage of the total treatment distance of each water section. If we have a line width of 3 m and treat complete lines this means you are treating 6 mts in total. As we have 4 sections of water, each section (valve) will process 25% of the total distance.

Press REG to change a value. Use the buttons to increase ↑ or to decrease ↓ the value. To switch from one number to the next press ← or → . Finally REG press to save the new value. Press → to change the width of the fluid valve 2 **(FLD 2)** and so on with the other valves. Always remember that the valves have an order that is shown in the main screen description in the first page of this guide. **FLd 1** is always the valve on the left and closer to the machine. Valve **Fld2** is the nearest on the right, valve **FLd 3** is the furthest on the left and valve **Fld4** the most distant on the right.
Percentages oflitres and distance do not always coincide in all sections as in the case we have learned when programming.

For example:



To exit press ← until the Field screen appears again and press REG.

- Deleting the total values ??accumulated in a field after a job

The computer saves the partial values ??of hectares and litres sprayed and the total manoeuvres of section opening. Partial values ??can be set to 0 without affecting the total. Select the Field to delete. Press the button for 3 seconds and Field 1 will appear. To put partial values ??to 0, you must press the button for 3 seconds. Now the partial counter is already at 0. To delete the totals press again the button for 3 seconds. Partial litres are on the left and total ones on the right. The counter of opening section manoeuvres will also be 0 when the total is set 0.

- Testing the system using speed simulator

To activate the speed simulator, press for 3 seconds. Then press the button twice. Select Simulator with and press . Enter the desired speed with the arrow keys, and finally press . Press to return to the main screen. In the main screen appears an S next to the speed value to indicate that speed is simulated.