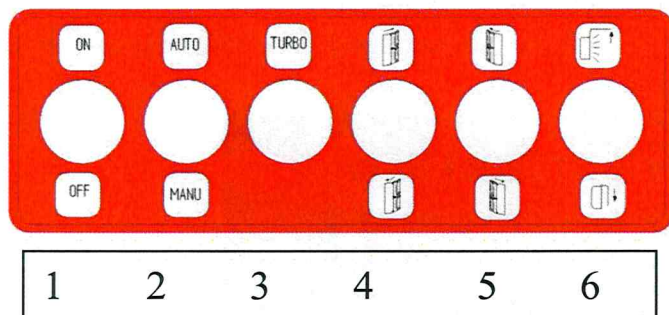


Use of the Smart Control control box

EVR / EPR with Smart Control electric controls - Version V2.1

1) Main controls of the Smart Control control box



7
8
9

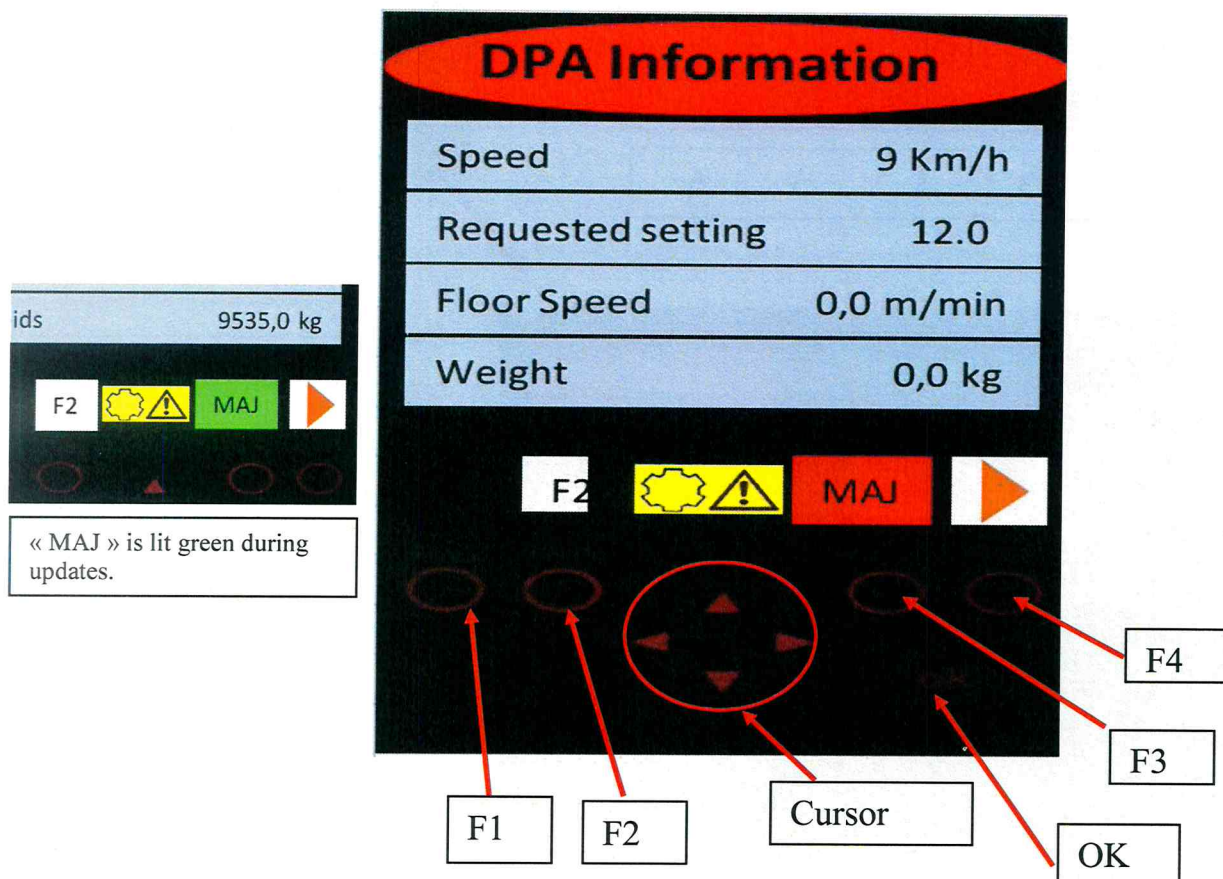
Press F1 to select language.

- 1) Switch-on of the control box
- 2) Manual or automatic spreading mode (DPAE)
- 3) Safety device of beater desactivated when button is on TURBO position
- 4) Edge flap (1 or 2 simultaneously) or rear hood on EPAN 6
- 5) 2nd edge flap
- 6) Protection device of lights
- 7) Opening and closing of the guillotine door
- 8) Forwarding and reversing moving floor (the green diode stays on in forwarding motion)
- 9) Setting of the required hectare quantity

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2) Use of the control box display

Once the control box is switched on, the Jeantil home page displays.
To switch on the display, click on "OK" to validate the starting-up. The following menu then displays:



Menu 1: DPA data

- Speed: speed of the spreader (km/h)
 - Requested setting: when automatic mode on: expected flow rate (tonne per hectare). When manual mode on: instruction of the moving floor from 0 to 40.
 - Floor speed: speed of the moving floor (m/min)
 - Weight: dynamic device loading
- ➔ Press F2 to access the settings of the spreading parameters.
- ➔ With « MAJ » you can update the spreading parameters. You must activate it once, whenever starting spreading, once the moving floor runs. « MAJ » is lit green during updates.
- You must not do it when starting again after turning at the headlands.
- ➔ Press F4 to access the next menu.

The warning light  indicates that the rotor has stopped rotating: either the pto of the tractor is not engaged or the cam clutch of the rotor is on. This device stops the rotation of the moving floor when going forward, in order to stop carrying product into the spreading device. To shunt this safety device, switch on the Turbo button.

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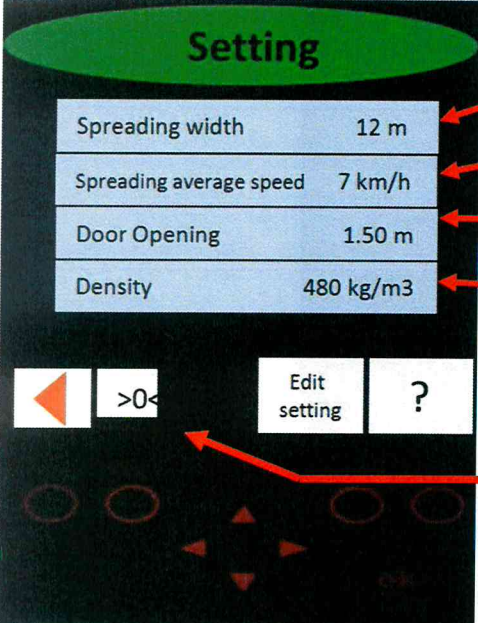
Menu 2: Counters

- Distance covered: total distance covered by the spreader (meter) when the moving floor is forwarding.
 - Surface: total spread area (hectare). Calculate the area according to the total distance and the spreading width (to be defined in the « settings » menu).
 - Total floor distance: total distance covered by the moving floor (m).
 - Total weight: total weight of spread load (kg).
- ➔ To reset Distance covered, Surface and Total weight data, press RAZ (F3).
- ➔ To return to the first menu, press F1.

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3) Configuring the several spreading settings of the control box

To configure or modify the settings, press F2 in menu 1 (DPA data) to enter « settings » menu.



1 – Setting the spreading width (meters)

2 – Setting the average spreading speed (kph)

3 – Setting the door height (meters)

4 – Setting the density (kg/m³)

5 – Weighing reset:

- Empty the spreader
- Switch on the weighing control box, go to the « settings » page
- Wait until the weighing control box Satd 04 is on
- Press this button to tare.
- Weight is reset after a few seconds.

- 1) Setting of the spreading width: regulates the spreading width depending on the product being used to have a regular spreading and a coherent spread area.
- 2) Setting of the average spreading speed: regulates the average spreading speed to optimize the DPA function.
- 3) Setting of the door height: this data is relevant for the calculation of flow rate (e.g. compost= 0.60m, cow manure: 1.80m).
- 4) Setting of the density: weight per cubic metre of products to be spread (with a 50 kg/m³ accuracy).

On this page, the programme displays a minimum spreading speed depending on the set parameters and on the instruction, so that the moving floor can regulate under the best possible conditions.

Setting the parameters

To activate data capture, press « edit param » (F3).

To browse through settings, use left and right keys.

To change selected settings, use up (+) and down (-) arrow keys.

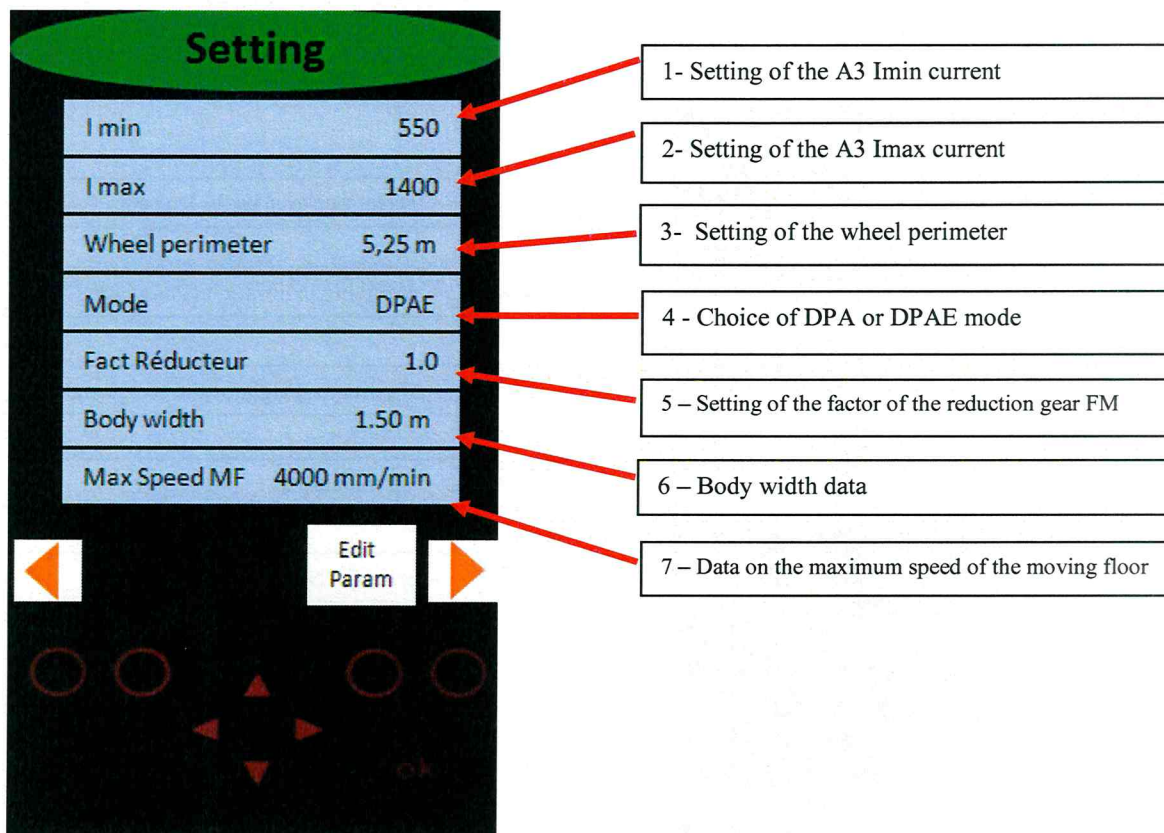
To validate data, press OK. Once all the parameters are set, press F1 to return to the main menu.

To have access to the help topic, press ? (F4). Once in the help topic, press F1 to return to the previous menu.

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4) Settings of the factory parameters of the control box.

To have access to the page Factory Settings, keep pressed the « OK » button, then briefly press F2 (weighing reset) when on the « Settings » page.



- 1) Setting of the Imin current of the proportional valve A3 : regulates the moving floor speed when the potentiometer is at 0.
- 2) Setting of the Imax current of the proportional valve A3 : regulates the moving floor speed and range of functioning when the potentiometer is at 10.
- 3) Setting of the wheel perimeter : sets the perimeter according to the wheel options.
- 4) Choice of the DPA (unloading proportional to forwarding) or DPAE mode (only for machines equipped with a weighing system).
- 5) Setting of the reduction factor of the reduction gear FM.
- 6) Choice of the body width: 1.5m for EVR and 2m for EPR.
- 7) Setting of the maximum speed of the moving floor.

To activate data capture, press « edit param » (F3).

To scroll settings, use left and right keys.

To change the selected setting, use up (+) and down (-) arrow keys.

To validate data press OK.

To have access to the help topic, press ? (F4). When on the help topic, press F1 to return to the previous menu.

To return to the previous menu press F1, to go to the next page press F4.

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Settings control page of the Dinamica Generale weighing box :

Dinamica	
Poids	9535.0 kg
Calibration	3144
Poids Maximum	15000
Filtre stabilité	4
Erreur CAN	0

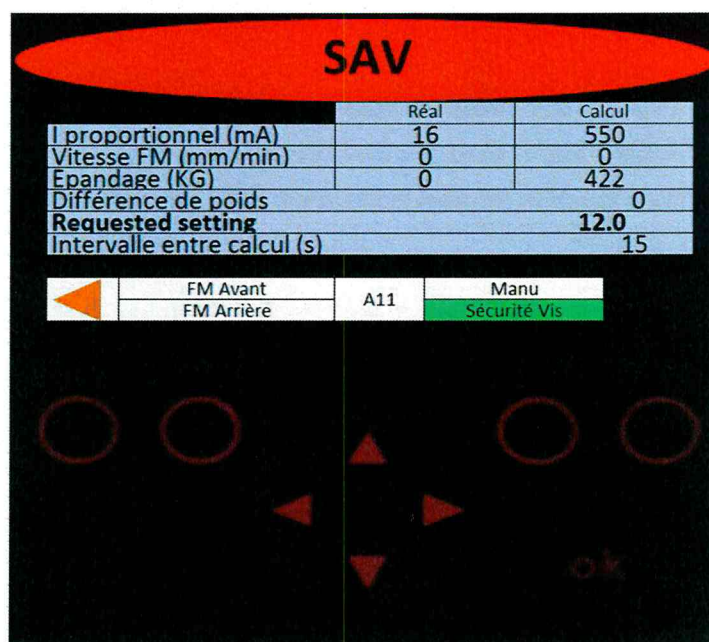
- 1 – Weight displayed on the Dinamica Generale box
- 2 – Weighing calibration (Password 12)
- 3 – Maximum weight of the weighing
- 4 – Filter stability
- 5 – Error CAN

All these values can only be visualized. The parameter settings are made directly on the Dinamica Generale control box on the spreader (see page 8).

To return to the previous menu press F1, to go to the next page press F4.

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After-sales service page :



This Diagnosis page allows to control the functioning of the calculator.

When the functions Forwarding moving floor, reversing moving floor, A11, manual mode and the beater safety device are on, the corresponding box is lit green (see example with manual mode):



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5) Using and calibrating the Dinamica Generale STAD 04 box.

This box is set outside the green box at the front of the spreader.

- Presentation :



- 1 : On / Off key.
- 2 : Block : block the weighing.
- 3 : - : Reduces the values when in setting mode.
- 4 : + : Increases values when in setting mode.
- 5 : Partial : Allows to make a new weighing during the loading.
- 6 : Total : Allows to visualize the total loaded weight.

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List of the parameters that can be selected:

- 12 : CAL: weighing calibration: the value must be 3144.
- 30 : ID : CAN identifier: the value must be 2.
SPEED : the value must 250.
- 413 : Fact : allows to set the weighing factor.

Setting example with parameter 12:

SETTING OF THE PARAMETERS

ACCESS TO THE PASSWORD MENU

- 1 Switch on by pressing



- 2 Once the last software revision has appeared on the LCD display, upon display of...



- 3 Keep pressed at the same time



- 4 Release the PARTIAL and TOTAL key when
-PS- PASSWORD appears on LCD display...



* NOTE 1

- 5



If the following does not appear on LCD display:
"-SET- MAIN MENU" and the indicator goes back to TOTAL WEIGHT mode, it means that the keys PARTIAL and TOTAL have not been pressed properly.



- 6 To return to the -PS- PASSWORD mode, switch off the indicator and go back to point 1.



Use of the Smart Control control box

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PASSWORD 12:
HOW TO SET THE CALIBRATION VALUE

- 1 Set the -PS- PASSWORD mode, by setting up the number 12 with the MINUS and PLUS keys.

Nota : Enter the parameter code to set it :
P 12 : CAL
P 30 : ID + SPEED
P 413 : Fact



- 2 Press at the same time PARTIAL and TOTAL key.



- 3 Press MINUS and PLUS to change the value of this parameter if necessary.



The calibration value depends on the load cells' number and capacity.
Please contact dinamica generale® for further details.
If the full equipment has been bought, the indicators have already been gauged by DG.




- 4 Press the PARTIAL and TOTAL keys in order to confirm the new calibration parameter, upon display of...



- 5 The indicator displays -PS- PASSWORD.



Press the Partial and Total keys to return to the total weight.

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5) Weighing calibration:

To calibrate the weighing, please follow the following steps:

- 1) Weigh the empty machine (e.g. 15 t).
- 2) On the weigh bridge, tare the weighing box by pressing the >0< key of the display: the weighing is reset to 0.
- 3) Load the machine.
- 4) Weigh the loaded machine (e.g. 22 t) to calculate the load in the manure spreader (in this example:
 $22\text{ t} - 15\text{ t} = 7\text{ t}$).
- 5) - If the weight displayed on the box is correct, there is no need to change the setting.
- If the weight displayed on the box is different (e.g. 7455), please follow the following procedure:
 - Write down the displayed weight (in this example: 7455) to use it as following.
 - Enter the parameter 413, Fact (see page 9) in the Dinamica Generale box and read the factor (e.g.: 1.81).
 - Divide the weight displayed on the Dinamica Generale box by the Factor 413 to calculate the initial weight:
 $7455 / 1.81 = 4119$
 - Divide the real load by the initial weight to find the new factor:
 $7000 / 4119 = 1.70$
 - Then, change the factor from 1.81 to 1.70 with the + and - keys.
 - Validate with the Partial and Total keys.
 - When the Dinamica Generale box displays P0, validate with the Partial and Total keys to return to the total weight.

- 6) The displayed weight is now 7000 kg.

