

Taege RC300L Controller ver2.52d

Operators Manual

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QUICK CALIBRATION Taege RC300L Controller ver2.52d

1. Press the **On/Off** button And hold until the controller turns on.

Ch

Hopper

(Approximately one second)

2. Press the **Hopper** button to choose the hopper you wish to calibrate.

(Front, Back or Insect)

3. Press the **Up/Down** buttons to select the crop to calibrate (1-20)



Area Reset

4. Place the calibration tray under the sponges by moving the collector tray.

5. Hold the **Prime** button and prime the metering system. (sponges)



The display shows the hopper being primed. Empty the calibration tray and replace under the sponges.





7. Weigh the seed collected using the scales provided. (Ensure they are set to grams.)



Front Calibrate Weight in GRAMS (1-999)Value :9999)

EXTRAS

Every time you press the +/- button during the 20 second countdown at calibration, one second will be added or subtracted for each press of the button. This results in more/less seed to be collected.



11. Press Run/Stop Button You will see the following screen.





12. Press the +/- button to increase/decrease the target seeding rate.



You are ready to go.

As you move, the **CURSOR** will rotate on the top right of the screen. This tells you the drill is operating. The **kph** will be displayed.

CALIBRATION CHECK Taege RC300L Controller ver2.52d



If there is a 10% + difference, Recalibrate.

YOU ARE READY TO START DRILLING



NOTE

Every time you press the Area/reset button and reset the totals the data log (totals) will be altered for that crop record. If you are require the records from data log (totals) please copy these details to your note book.

EXTRAS

If you are testing a double hopper system you may want to turn off the hopper you aren't testing to save spilling the contents during the test. Do this by turning the lever on the gearbox to the horizontal position.

REMEMBER to change the lever back to the vertical position when finished

Before you test the calibration setting, choose the hopper and crop you want to test while still in the stopped mode.

Press the **Run/Stop** button to toggle between the run and stop mode.

Press the **Hopper** button to choose the hopper to test.

(Front, Back or Insect)

Press the Up/Down buttons to select the crop to calibrate



ADVANCED CALIBRATION Taege RC300L Controller ver2.52d

This feature is available for each and every crop setting. Your Taege technician or Taege Dealer will instruct you about this feature during the introduction to your drill. This feature enhances the calibration of grasses and small seeds and enables the operator to better match the real time sponge roller speed to that of calibration speed.



Setting the Target Weight Taege RC300L Controller ver2.52d

The Target weight can set and changed at any time.





The Target Weight can also be set both by pressing the +/- button



both before and after calibration in the RUN mode.

Setting the ALTERNATE WEIGHT Taege RC300L Controller ver2.52d



The Alternate Weight can be preset for all crop settings and on all hoppers. It can be more or less than the Target weight. Mainly used where variable ground conditions demand different seeding rates. This setting changes the seeding rate instantly whilst on the move by pressing the PRIME button, returns to the target weight when the PRIME button is pressed again. Seeding rates can also be changed on the move simply by



pressing the +/- button

Alternate weight can be set to operate on both hoppers at the same time. When both hoppers are set and in the run mode, press the up arrow to operate and the down arrow to cancel.

Run to Empty Taege RC300L Controller ver2.52d





The Run to Empty function is used to assist the cleanout of the hopper between crops.

NO NEED TO USE A VACUUM CLEANER

WARNING: Care should be taken to keep hands away from the sponge rollers in the hopper(s) when in the 'run to empty' mode. It is recommended that a small brush is used for final cleaning.

Name Crop Taege RC300L Controller ver2.52d

Twenty-five crop settings are available for each hopper (see **Drill Configuration**). Every time you calibrate the drill, the settings are automatically saved for that hopper and for the crop number you have calibrated. You can name this saved calibration setting at any time with names of up to 14 characters in length and if you are drilling the same crop again in a short period of time there is no need to recalibrate and rename. Simply scroll to the crop you have saved, press **'Run'** and go drilling. You can update names simply by renaming over any saved calibration setting.



Edit Crop Taege RC300L Controller ver2.52d









Enter the alternate weight in grams



Press the "Down" button and you will see the following screen.

Front-01 EMPTY Sample Weight In grams (allowed 0-999999)

Value :

Enter the sample weight in grams



0

Press the "Down" button and you will see the following screen.

Front-01 EMPT Sample Pulses	Y
(allowed 0-999999)	
Value :	0

Enter the Sample Pulses.

Each of the screens shown allow you to enter calibration figures obtained either from a previous controller.



Press the "OK" button and return to the operating screen.

Name Hopper Taege RC300L Controller ver2.52d

Name Hopper is available for each hopper (see Drill Configuration).







CALIBRATE DISTANCE

With Wheel Sensor or Wheel Encoder Versions 1.03 >2.2x>2.3x>2.4x>2.5x



DRILL CONFIGURATION Taege RC300L Controller ver2.52d

This is where the information for your drill is setup in the controller



The controller will automatically turn off. The action rewrites the memory in the controller and erases previous settings.



SELECTING MOTORS Taege RC300L Controller ver2.52d M4 & M6 motors





Motor 1 M4 PULSE M4 ENCODER M6 ENCODER 1-3 Please Select
Motor 2 M4 PULSE M4 ENCODER M6 ENCODER 1-3 Please Select

Motor 3 M4 PULSE M4 ENCODER M6 ENCODER 1-3 Please Select

MAINTENANCE

Taege RC300L Controller ver2.52d





The **DIAGNOSTIC MODE** screen enables onboard diagnosis of sensors, encoders and motors and assists with troubleshooting in the event that you drill does not operate correctly. Your TAEGE Technician or TAEGE Dealer will ask you to activate this screen, to troubleshoot in the field. The **POWER STATUS** screen may also be requested.

Dealer

TOTALS

Taege RC300L Controller ver2.52d





The **TOTALS MODE** screen enables the operator to record the last 5 reset areas for each crop setting. The controller can retain 5x25=125 area totals for each hopper

STATUS SCREENS

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6374 0.0m M3 0 ō

Press & Hold the Cancel button	Power Problem 10.24 Volts ^{Suppl} Check Plugs & Batter Press OK or Cancel
At the same time press the Power button	Power Status Screen 12.8 volts now 13.8 volts max 11.1 volts min 2.73 volts change
You will enter the Power Status Screen.	Wheel 36792: 12.83v Motor 1 Gear Ratio 2.8424 Food 272520
Use the Up & Down buttons	Actual 273536 Ennon
SELECT CROP	Wheel 367921 12.84v Motor 2 Gear Ratio 4.0874 Feed 396922 Actual 396922 Error 0 Wheel 367921 12.85v Motor 3
To select the required screen	Gear Ratio 0.0000 Feed (Actual (
This operation can be used in either the STOPPED or RUN mode. The selected screen will be inactive in the stopped mode and dynamic in the run mode.	Error (Wheel_ont: 168766374 Distance: 0.07 12.61v M1: M2: M3 Pw%: 0: 0: 0 RPM: 0: 0: 0 Press HOPPER or AREA
	Current Motor Type M1: M4 ENCODER M2: M4 ENCODER M3: M4 ENCODER

RPM Counter for Air Seeder Taege RC300L Controller V2.52d Configuration of RPM Counter Available on 3x hopper control only



Hopper RPM Speed Control Taege RC300L Controller V2.52d

This mode enables the operator to set the hopper motor to a constant speed. Used when an independent motor agitator is fitted or when the ground speed of the machine has been compromised.



6. Press the OK button OK And you will see the following screen.
<pre>! " # \$ % '() * +,/012 3456789:;<=>?@ABCDE FGHIJKLMNOPQRSTUVWX YZ[\]^_`abcdefghijk Imnopgrstuvwxyz{I}~ S? 01 EMPTY</pre>
 7. Press the Hopper button to delete the present name Use the navigate buttons To move the Highlighted cursor over the Letter you want to use
Press the Run/Stop button to add each letter to the name. When the name is complete press OK Button This will save the name and the controller will return to the operating screen.
Name Crop -RPM- Then go to the rate and change this to the desired RPM.