IC34 JOB COMPUTER

REFERENCE GUIDE
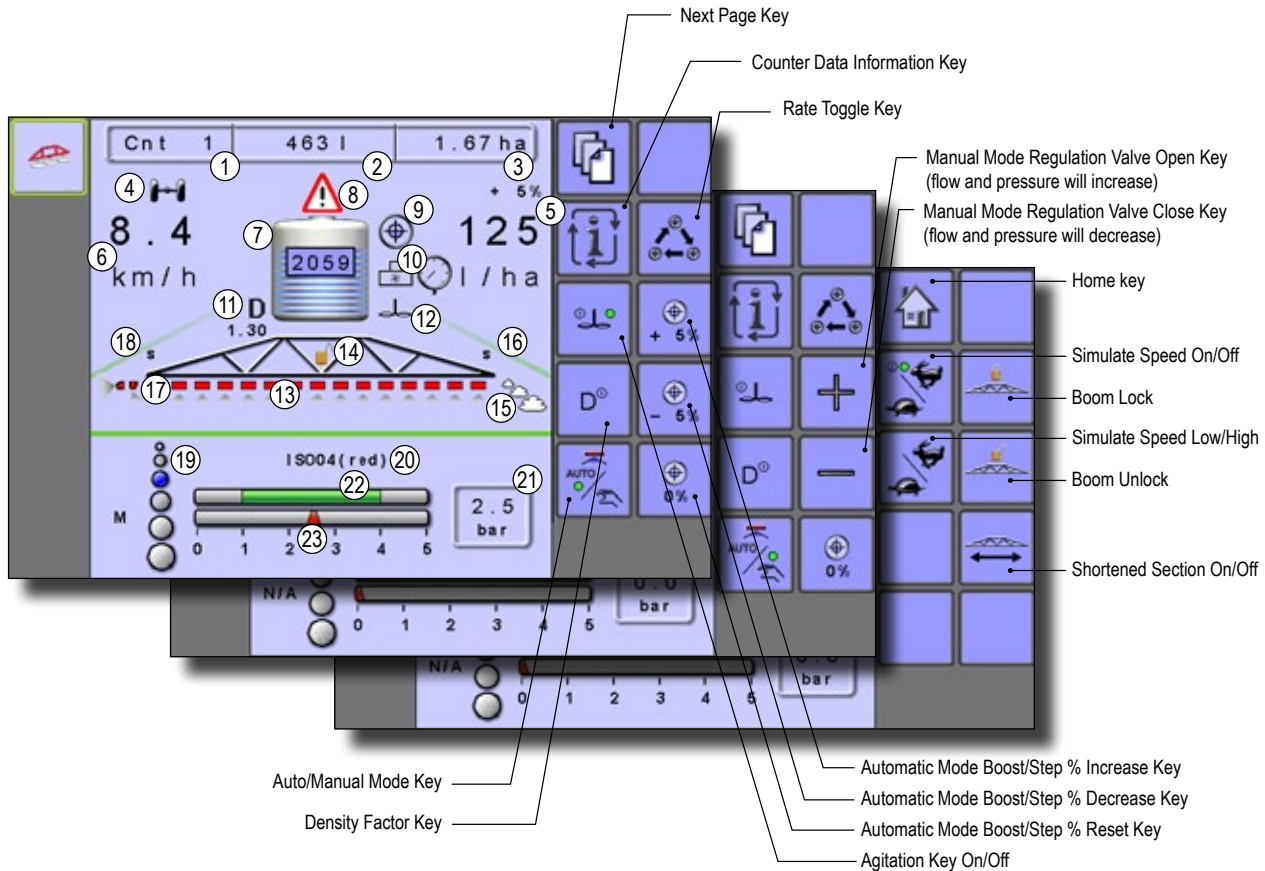

Software version 1.16

TeeJet®
TECHNOLOGIES

A Subsidiary of **Spraying Systems Co.**®

OPERATION MODE OVERVIEW

Enter Operation Mode by pressing the Operation Mode key 🔧. Exit Operation Mode by pressing the Next Page key 📄 then the Home key 🏠. Display numbering is explained in the following table.

NOTE: *If a joystick or a switchbox is connected to the IC34 Job Computer, softkey functions may be replaced by the connected device (commands must be performed with the added device).*

Item	Function	Description
1	Count Number	Displays the current job number.
2	Applied Volume	Displays active job volume applied.
3	Applied Area	Displays the active job applied area.
4	Trackmatic State	Displays the actual position of the sprayer wheels during steering, if installed.
5	Target Rate Percentage Increase/ Decrease	Displays boost percentage step, i.e. the step size, at which the application rate is to increase/decrease with the boost function.
6	Speed/ Application Information	Toggle 🔄 to display the speed, volume per minute, area left in tank, area per hour, time sprayed and actual working width.
7	Tank Contents	Displays the remaining tank content.
	NOTE:	*Tank contents will display "0" if a tank sensor is not fitted and the contents are not entered in the tank filling menu prior to spraying.*
	SHORTCUT:	*Press the tank icon on the work screen to enter the tank filling menu.*
8	Alarm	Displayed if an alarm condition is active.

Item	Function	Description
9	Application Rate	Displays the actual application rate.
	NOTE:	*When the Master is "on" the actual application rate will be displayed. When the Master is "off" the target rate is displayed and the target rate icon ⊕ appears.*
	SHORTCUT:	*Press the actual rate on the work screen to change the application rate.*
10	Flow Based Or Pressure Based Icon	Displayed if both a flow sensor and a pressure sensor are installed. The flow based icon will appear if regulation is based on flow (flowmeter). The pressure based icon ◯ will appear if regulation is based on pressure.
11	Density	If the density is set to fertilizer instead of water, a "D" along with the density value will be displayed.
12	Agitation	Displayed if an agitation valve is installed/activated. ⊥ ✕
13	Boom Sections	Displays the active and inactive boom sections as well as if they are on (spray is blue) or off (spray is gray).
	NOTE:	*The color on the boom sections indicates the color of the selected nozzle type.*

Item	Function	Description
14	Boom Transport Mode	Once active boom balance is disabled. Boom folding is still possible.
15	Foam Markers	Displayed if foam markers are active.
	NOTE:	*This is visible only if foam markers are mounted.*
16	Circulation	If Circulation is installed and selected in the OEM Menu, "SC" (Semi Circulation) or "CC" (Full Circulation) will be displayed.
17	Edge/Fence Row Nozzles	A triangle at the end of the boom indicates that edge/fence row nozzles are in use, if installed
18	Shortened Sections	Capability to turn off an amount of nozzles on the most left and most right sections.
	NOTE:	*Applies to both left and right sections, it is not possible to work with a single shortened section.*
19	Droplet Size	Displays the droplet size (determined by the selected nozzle and pressure).

Item	Function	Description
20	Nozzle Type	Displays the selected nozzle type.
	SHORTCUT:	*Press the current selected nozzle text on the work screen to change nozzle type.*
21	Current Pressure Rate	Displays the current pressure to the nozzle.
22	Recommended Pressure Range	The green bar indicates the recommended pressure range for the selected nozzle. The pressure range will change according to the selected nozzle, working speed, etc.
	ALWAYS REFER TO THE RECOMMENDED PRESSURE RANGE AS FAILURE TO DO SO MAY RESULT IN UNEVEN SPRAY PATTERNS.	
23	Current Working Pressure	Displays the current working pressure.
	NOTE:	*Should not exceed recommended pressure range.*
	ALWAYS REFER TO THE NOZZLE PRESSURE VALUES RECOMMENDED BY THE SUPPLIER WHEN SETTING NOZZLE PRESSURE.	

IDLE MODE OVERVIEW

Available ECUs

Toggle Preset Target Rate

Operation Mode

Job Toggle +

Folding Mode

Job Toggle -

Transportation Mode

Main Setup Menu

Regulation Mode

Target Rate [l/ha]   175
Tank Volume [l]   1928
Active Nozzle   ISO04(red)
Active Counter   3
Active Counter Summary:
Area Applied [ha]   0.00
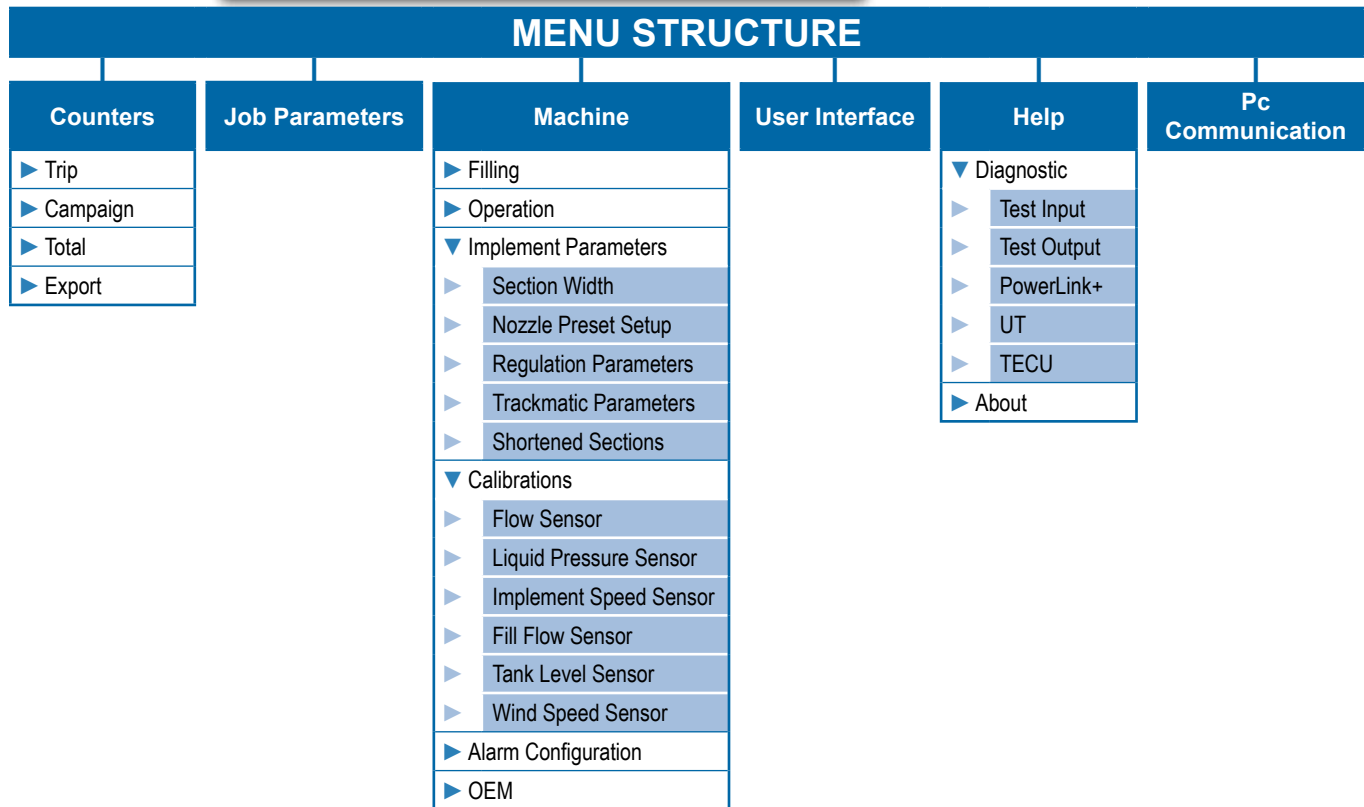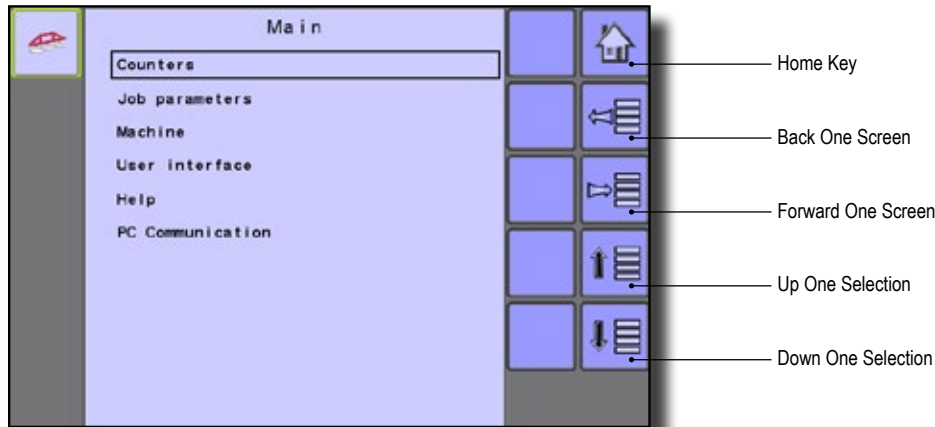Volume Applied [l]   0
Total Time [hh:mm]   0:00

Quick View
Information based on current active trip

Function	Description
Operation Mode	Enter when all parameters have been input.
Folding Mode	Regulates boom folding options.
Transport Mode	Locks all spray and hydraulic functions to prevent accidents.
Main Setup Menu	Menu to input various spray settings.
Regulation Mode	Switch between automatic or manual regulation modes. A green dot indicates the current selection.
Job Toggle -	Use to select a decreasing job number .
	NOTE: Job specific settings can be entered in the Job Parameters Menu.

Function	Description
Job Toggle +	Use to select an increasing job number
	NOTE: Job specific settings can be entered in the Job Parameters Menu.
Toggle Preset Target Rate	Shift between entered application rates.
	NOTE: Preset application rates can be entered in the Job Parameters Menu.
	SHORTCUT: Press the target rate on the Work Screen to change preset target rates.

IC34 MENU STRUCTURE

The IC34 Job Computer contains a menu structure similar to the one below. The menu structure on your display may differ slightly depending on the sprayer equipment installed.

Main		Home Key
Counters		Back One Screen
Job parameters		Forward One Screen
Machine		Up One Selection
User interface		Down One Selection
Help		
PC Communication		

MENU STRUCTURE

Counters	Job Parameters	Machine	User Interface	Help	Pc Communication
► Trip		► Filling		▼ Diagnostic	
► Campaign		► Operation		► Test Input	
► Total		▼ Implement Parameters		► Test Output	
► Export		► Section Width		► PowerLink+	
		► Nozzle Preset Setup		► UT	
		► Regulation Parameters		► TECU	
		► Trackmatic Parameters		► About	
		► Shortened Sections			
		▼ Calibrations			
		► Flow Sensor			
		► Liquid Pressure Sensor			
		► Implement Speed Sensor			
		► Fill Flow Sensor			
		► Tank Level Sensor			
		► Wind Speed Sensor			
		► Alarm Configuration			
		► OEM			

Menu Definitions

▼ Counters - records, tracks and displays job information.
- ► Trip - displays and reports on job information
- ► Campaign – displays current sprayed area, volume, time and max speed
- ► Totals – displays all activity regarding total sprayed area, volume, time and max speed
- ► Export – generate an active job information report in either HTML or CSV format to the internal memory. A PC and special cable is required to extract data.

► Job parameters – configure current target application rates and nozzle settings.

▼ Machine – machine setting configuration
- ► Filling – configure actual tank content, density and density factor
- ► Operation – establish boost percentage step, speed source, and simulated speed.

- ► Implement Parameters – establish boom configuration, nozzle preset setup, regulation Parameters, and shortened sections.
- ► Calibrations – establish either manual or automatic settings of sensors
- ► Alarm Configuration – establish alarm trigger levels for tank content minimum and agitation tank level.
- ► OEM – directly related to the fitted OEM equipment and is password protected.

► User Interface - turn on nozzle settings and decide to use preferred UT settings.

▼ Help - diagnose equipment and software
- ► Diagnostic – troubleshoots input/output of the controller (sensor or actuator), PowerLink+, UT data, and TECU data.
- ► About - snapshot of hardware and software

► PC Communication - directly connect a computer to the console for the purpose of downloading statistics and reports.