

CS 440RC

Solid De-icer Controller Desktop Software Manual



Table of Contents

1	System Requirements	3
2	Software Installation	4
3	Get Settings from a CS-440RC Spreader Controller	7
4	Get Loggings from a CS-440RC Spreader Controller	8
5	Send Settings to a CS-440RC Spreader Controller	9
6	View Settings with the Desktop Software	10
7	View Settings and Generate Reports with the Desktop	14
	Software	
8	View Truck Log and Generate Reports with the Desktop	15
	Software	
9	Frequently Asked Questions (FAQs)	17

2/	1 Q
٥/	TЭ

Bosch Rexroth Canada Corp. reserves the right to revise this information at any time and for any reason and reserves the right to make changes at any time, without notice or obligation, to any of the information contained in this piece of literature.

Please check for updates at: www.boschrexroth.ca/compu-spread

1 System Requirements

System	Requirements
PC Workstation	Windows 98/ME/2000/NT/XP 64M RAM or higher CD-ROM 800x600 display or better
Handheld Palms	M100, M105, M125, M130, M500, M515 Visor Platinum, Visor Pro Palm OS 3.5, 4.0, 4.1 (HotSync software comes with Palms listed above)

Caution: Only above listed models are supported by the Compu-spread Desktop Software. Other models may work with the software, but no support will be available from Compu-spread.

2 Software Installation

The desktop software is being used to store CS-440RC parameters and logged data, and generate reports. And it requires a computer to run the software, and a Palm pilot device to transport info from/to a CS-440 spreader controller. Both Computer and Handheld device have to meet the requirements listed in the above System Requirements.

Before installing the Compu-spread Desktop software, first install the Palm HotSync software from the Compu-spread CD, located at $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{$

\440_CD_Installation_Standard_Package\extras\palm desktop ver 4\

The filename for the HotSync installation package is PalmDesktop41SP03ENG.exe for Windows XP and earlier, or PalmDesktopWin62.exe for Windows Vista.

Before installing Compu-spread Desktop software make sure:

- Have Palm Desktop software installed on the computer that is going to run Compu-spread Software.
- Have a user Identification configured for the Palm pilot/Visor.
 Note: Use a municipal name, not individual names.
- Make sure the HotSync between the Palm Pilot and the PC work properly.

Once the Palm Pilot is set up, proceed with the Compu-spread Desktop Sofware installation:

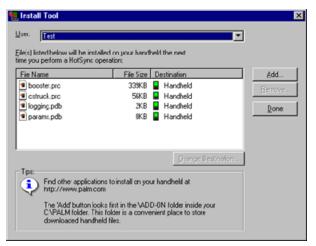
- 1. Insert Compu-spread Desktop software CD, and AUTORUN should start automatically.
- 2. Run SETUP.EXE on the software CD If the installation doesn't start.
- 3. Proceed to complete and restart your PC.
- 4. Start the Compu-spread Desktop software from your desktop, and the following screen comes up to prompt you for the palm software installation.



5. Press 'OK' to proceed with the installation, or 'Cancel' to skip palm software installation. Press 'OK' button the following screen would show up to advise again that some programs will be installed onto your palm unit.



6. Select a username of the palm unit, and press OK to proceed. Then the next screen shows up to show the program to be installed.



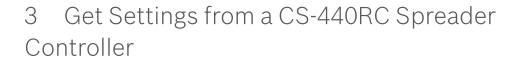
7. Press 'Done' to proceed and it will prompt you for a few more program installation as shown in the next screen.



8. Again press 'Done' to proceed. Synchronize your palm to complete the palm software Installation.

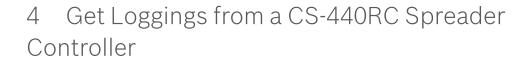


Once the HotSync is complete Palm unit will prompt to reset your palm. To confirm if the palm works with the Desktop software you need to start 'CSTruck' on the palm, and click on 'Sending Settings'. If you see a record FIRST – SYNC it tells that it works. At this point both Compu-spread Desktop Software and Palm Software is ready to operate.



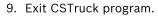


- 1. Make sure that truck is stationary.
- 2. Turn on the Palm and the CS-440RC Controller.
- 3. Start 'CSTruck' program on the Palm.
- 4. Select 'Get Settings from Truck'.
- 5. Point Palm Infra-red window at the CS-440RC infra-red window.
- 6. Select 'Get Settings'.
- 7. If the transfer is successful both Region Name and Truck ID would show up on the Palm screen.





- 1. Make sure that truck is stationary.
- 2. Turn on the Palm and the CS-440RC Controller.
- 3. Start 'CSTruck' program on the Palm.
- 4. Select 'Get Log from Truck'.
- 5. Point Palm Infra-red window at the CS-440RC infra-red window.
- 6. Select 'Get Truck Log'.
- 7. If the transfer is successful both Region Name and Truck ID, and date & time of the last event would show up on the Palm screen.
- 8. A Message window shows up on the controller to prompt you to either 'Delete' or 'Keep' the existing log data.



- 10. Place the Palm on the Dock cradle.
- 11. HotSync the Palm with the computer to transfer data to the computer.



5 Send Settings to a CS-440RC Spreader Controller

The desktop software is being used to store CS-440RC parameters and logged data, and generate reports. As shown in the following diagram. It requires a computer to run the software, and a Palm pilot device to transport info from/to a CS-440RC spreader controller

- 1. Start Desktop Software.
- 2. Choose a specific truck parameters to transfer.
- 3. View/Edit parameters.
- 4. HotSync the Palm with the computer.
- 5. The parameters are transferred to the Palm.

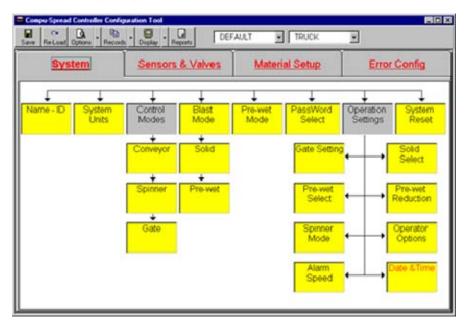


- 6. Start CSTruck program on the Palm.
- 7. Select 'Send Settings to Truck'.
- 8. Scroll Up/Down and Select the appropriate truck name.
- 9. Point Palm to the CS-440RC Infra-Red Window.
- 10. Click on 'Send Setting'.
- 11. If the transfer is successful a screen should pop up on the CS-440RC controller to ask for confirmation.
- 12. Click 'Yes' to overwrite, or 'No' to cancel.
- 13. The new parameters are now transferred to the truck's controller.

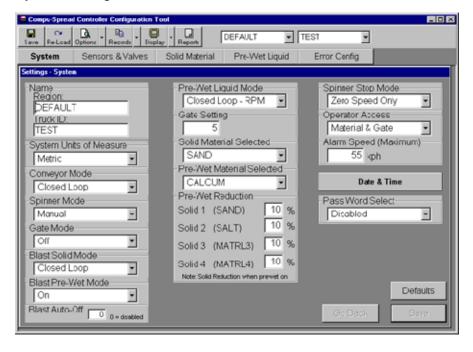
6 View Settings with the Desktop Software

- 1. Select SYSTEM, SENSOR, MATERIAL, ERROR on the menu bar to show parameter groups.
- 2. Click on the Display Button from the top menu bar to toggle between diagram and the detailed parameter screen

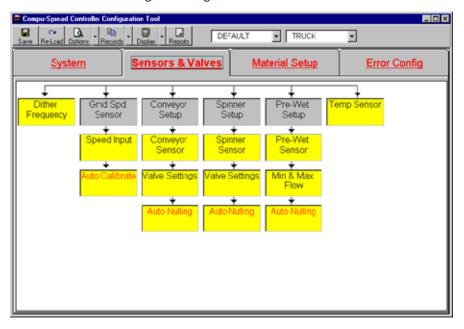
System Settings Diagram



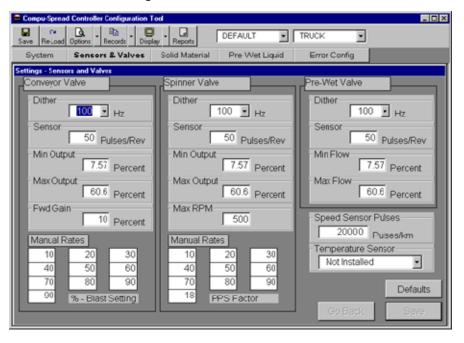
Systems Settings in a detailed screen



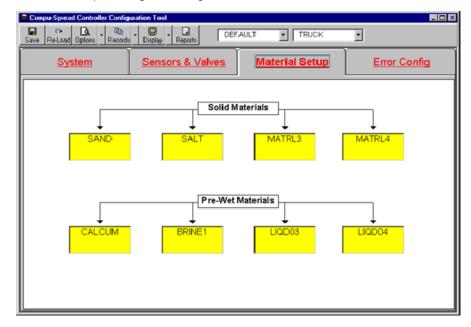
Sensors & Valves Settings in a diagram



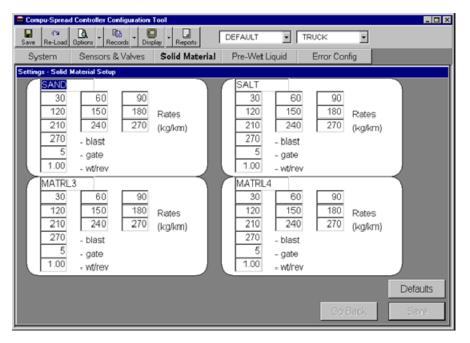
Sensors & Valves Settings in a detailed screen

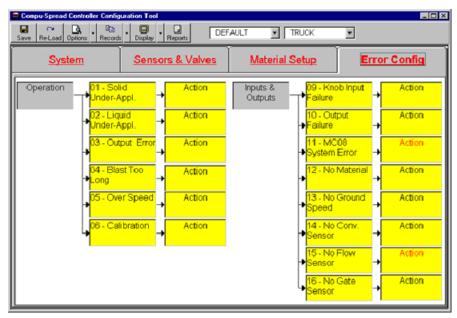


Material Setup Settings in a diagram



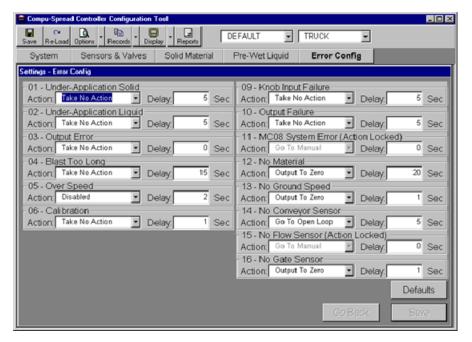
Material Setup Settings in a detailed screen





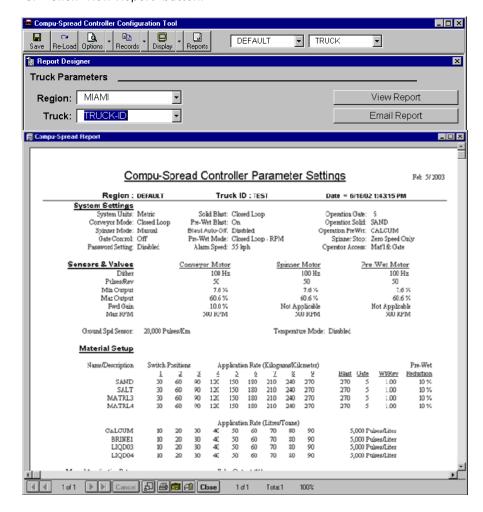
Error Configuration Settings in a diagram

Error Configuration Settings in a detailed screen



7 View Settings and Generate Reports with the Desktop Software

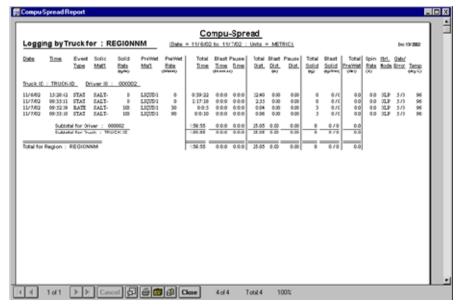
- 1. Click 'Report Button' on the top menu bar.
- 2. Select 'Region' & 'Truck' to view parameters.
- 3. Click 'View Report' button.



8 View Truck Log and Generate Reports with the Desktop Software

- 1. Click 'Report Button' on the top menu bar.
- 2. Select 'Region', 'Truck', and 'Driver ID' to view activity report by either Truck or Date.
- 3. Check 'All Events' with Pause & unload or 'Only Spreading Events', and Click 'View Report' button.





Note:

STAT - Distance/Solid/Liquid Register Overflow

INIT - event into a "logging" state

INIT - event into a PROGRAM state

RATE - ARS Rate change

RATE - Liquid Rate change

GATE - Gate change in Read-Back mode

6HRS - Time change 6 hours

DEIC - Deice-simulate OFF

DEIC - Deice-simulate ON

ERR - Error event

CTRL - conveyor SEVERITY_OLP

CTRL - conveyor SEVERITY_MANUAL

RATE - ARS change refresh by GS

GATE - gate change by operator

MATL - solid change by operator

MATL - liquid change by operator

GSLP - gate/sol/liq change leaving PROGRAM mode

CTUP - ctrl/units change leaving PROGRAM mode

9 Frequently Asked Questions (FAQs)

 Files are missing during the installation process. Are files missing on the CD?

Typically it happens when there is older version software already installed in the computer. To correct the problem you need to remove the older version first and then install the new one.

2. Does the software support PDAs that are not listed?

Typically the software work on PDAs running Palm OS3.5, OS4.0 and OS4.1. But we strongly recommend that customers use handheld PDAs listed.

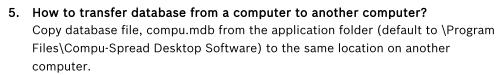
3. How to upgrade the desktop software to a newer version?

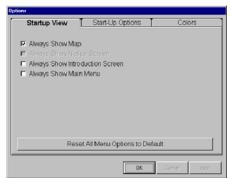
Before installing the newer version upgrade make sure backup the existing database file, compu.mdb (by default it is in \Program files\Compu-spread Desktop Software). Then you should remove the existing version from \Control Panel\Add or Remove Programs. Once the older version is removed run SETUP.EXE from the newer version CD disk received.

4. Though Palm can successfully get both Settings and Truck Log from a CS-440RC Spreader Controller why does not it show up in the Compu-spread Desktop Software?

The interface between Palm and Compu-spread Desktop Database is not set up properly. It can be fixed by doing the following:

- Click 'Reset All Menu Options to Default'
- Click 'Apply' to proceed
- Close the CS-440RC Desktop Software
- Restart the Desktop Software
- Porceed to the main screen
- HotSync your Palm with the PC
- Test if the 'CSTruck' works on The Palm





Notes: