

The Smart Motion Smart Arm system by KolverUSA can be configured to select the product recipe via a barcode scanner. Currently the system has been tested using the Symbol LS2208 handheld scanner by Motorola which is a 1D Linear scanner. The Smart Arm controller must be configured at the factory to be capable of storing barcodes for recipe select.

Communication to the Smart Arm controller is via the RS232 port found on H6 of the controller. The following are the required com port settings of the controller.

Baud Rate: 19200
Parity: None
Stop Bits: 1
Data Bits: 8
Flow Control: None

These settings with the exception of the baud rate are the default settings for the LS2208. To change the baud rate to the required value of 19200, scan the barcode below:



Baud Rate 19,200

In order for the Smart Box controller to recognize the barcode string, the reader must be programmed to provide a carriage return / line feed as part of the data string. In order to configure the LS2208 scanner for this features scan the following barcodes in sequence: **(Note: These is configured by KolverUSA if reader is purchased with smart arm system.)**



Scan Options

1



<DATA> <SUFFIX>

2



Enter

3

Connecting Barcode Reader to Smart Controller

1. Barcode scanner connects to the H6 port on the smart controller
2. Make sure to connect the scanner power to the back of the 9 pin D-SUB connector for the barcode reader.

Teaching Barcodes with Smart Controller

1. Go to Maintenance menu on smart controller
2. Scroll through Maintenance menu and select “login”, pin is 7439
3. Once Logged in, maintenance options are expanded. Return to Maintenance menu and scroll through until you see “TCH bC”. Hit Jog dial and then select the required recipe number to assign the barcode too.
4. Once the correct recipe number is selected, scan the appropriate barcode. If configured properly the display should respond with “saved”.
5. Continue until all barcodes are assigned. When complete, scroll until you see “exit”.

Deleting Barcodes in Smart Controller

1. Go to Maintenance menu on smart controller
2. Scroll through Maintenance menu and select “login”, pin is 7439
3. Once Logged in, maintenance options are expanded. Return to Maintenance menu and scroll through until you see “dEL bC”. Hit Jog dial and then select the required recipe number for which to delete the barcode. This will not delete the recipe..
4. Once the correct recipe number is selected, press the jog dial and the recipe number with an “N” will appear, scroll to change to a “Y” then hit jog dial.
5. You can also delete all barcode associations at one time by selecting “All” rather than the recipe number.