



Wave Batch Picking

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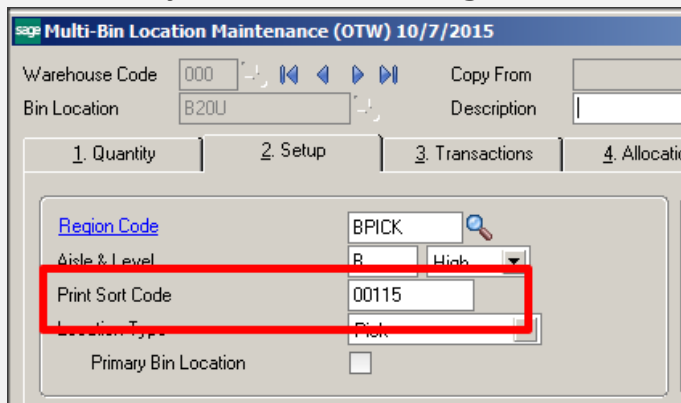


Description: Scanco Wave Batch Picking allow the scanner user to choose a pre-assigned pick list that contains prioritized inventory and orders and directs the user through the warehouse to collect the items.

Setup:

Scanco will sort the list by Sort Code if it is setup as shown below within Multi-Bin Location Maintenance.

NOTE: All bins should be assigned Sort Codes if you plan to use this option, if you do not setup Sort Codes items will be in bins without sort codes and be out of order. If the sort code is not setup, the programming will sort by bin - lowest to highest.



Pick Lists Types:

Master Pick List – User will pick all items from all warehouse \ bins.

Split Pick List – User will pick a sub-set of items from the Master Pick List.

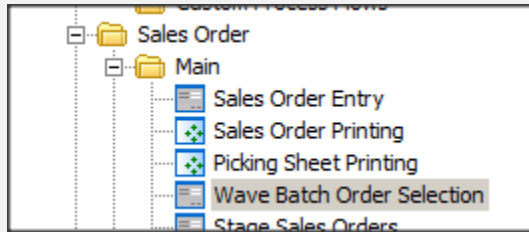
Pick Lists Options:

The pick list can be created in many different ways including:

1. Pick all orders from all warehouses.
2. Pick all orders from one warehouse.
3. Pick items within a range of bins.
4. Pick items within a region.
5. Pick certain number of lines.



Wave Batch Order Process: Sage > Sales Order > Main > Wave Batch Order Selection

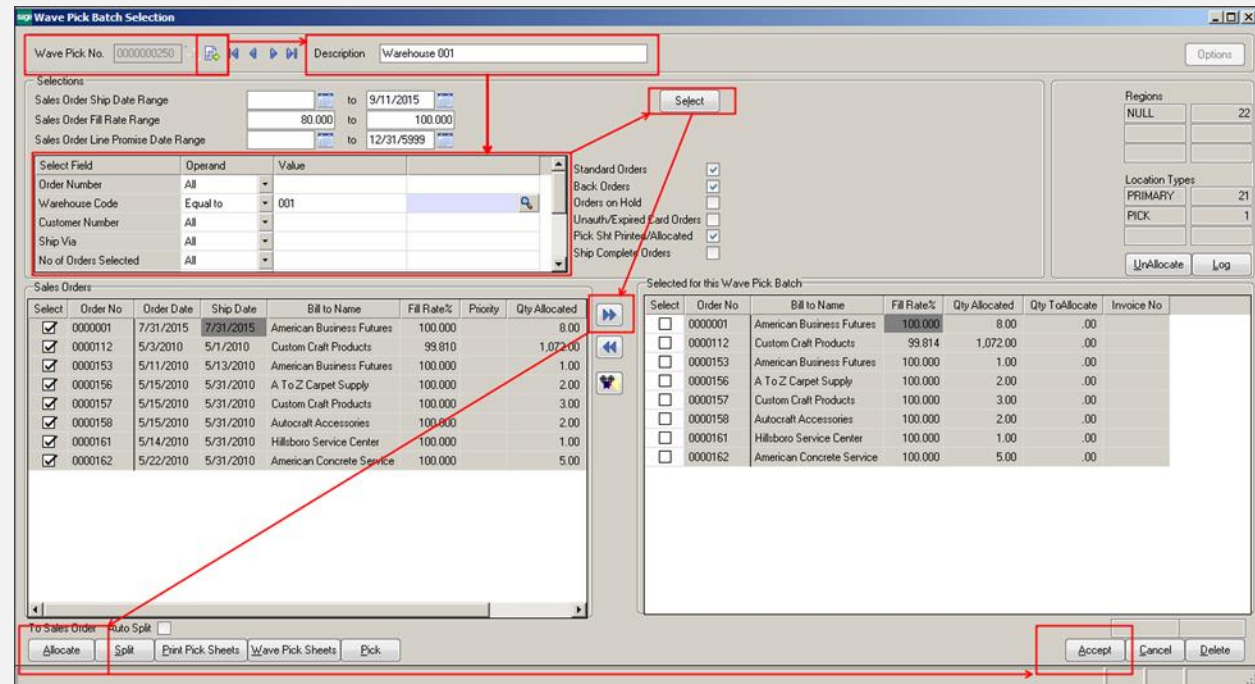


Creating A Single Master List:

Following the arrows below:

1. Click next list button.
2. Enter description if needed.
3. Enter Order numbers range and press **Select** \ or one order at a time and press **Select** after each entry to add it to the Sales Order List grid below.
4. Red box 4 = Select button described in previous step.
5. Double arrow move orders over to 'Selected for this wave pick batch'.
6. To create a single list, make sure the "Auto-Split" is 'Unchecked' and press "Allocate" button.
7. Accept to finish, and then run the list on the scanner.

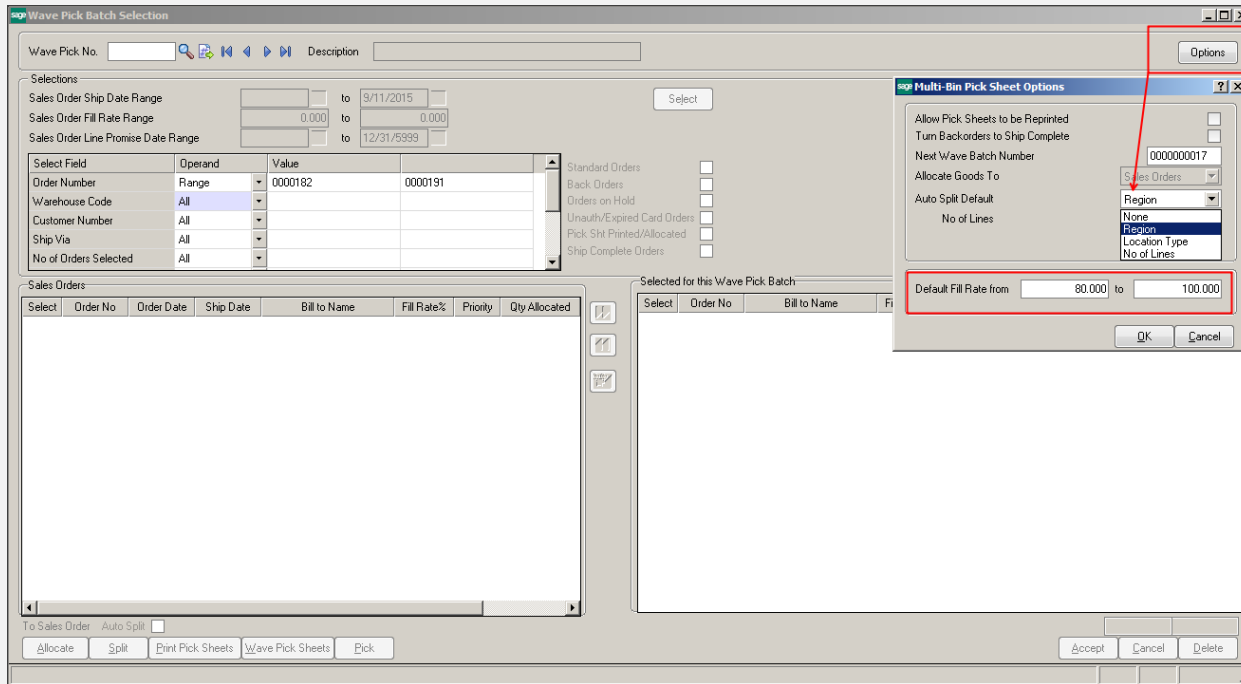
NOTE: To create a Master List and split list you need to check "Auto Split" before you Allocate.



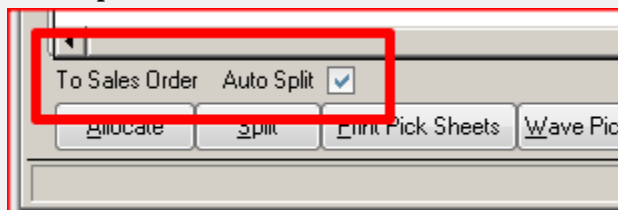


Creating a Split lists:

Start by checking your options: In order to allow for creating Split List, set Auto-Split to anything other than NONE and set the Fill rate higher than zero.



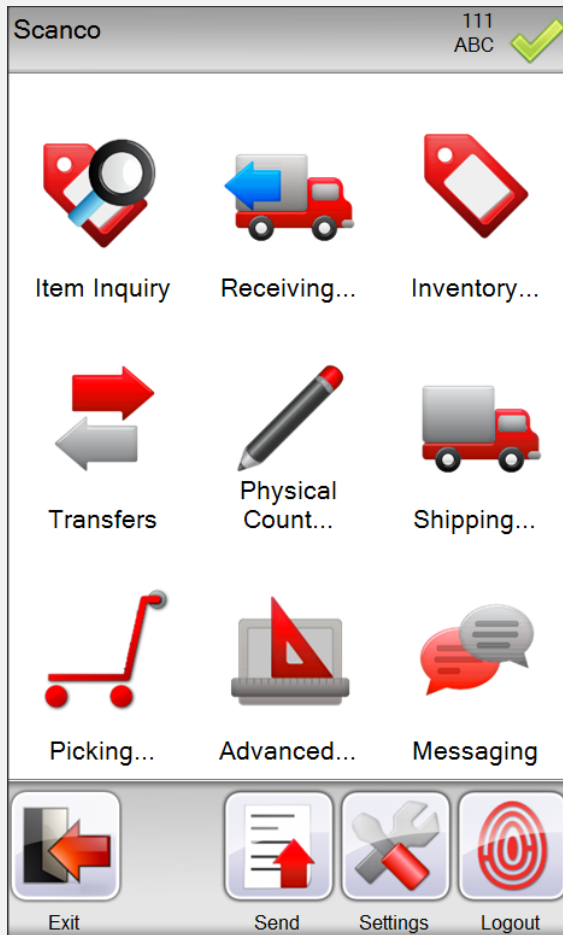
Follow the same steps as Master List Creation process BUT make sure you check “Auto Split” before Allocate in Step 6.



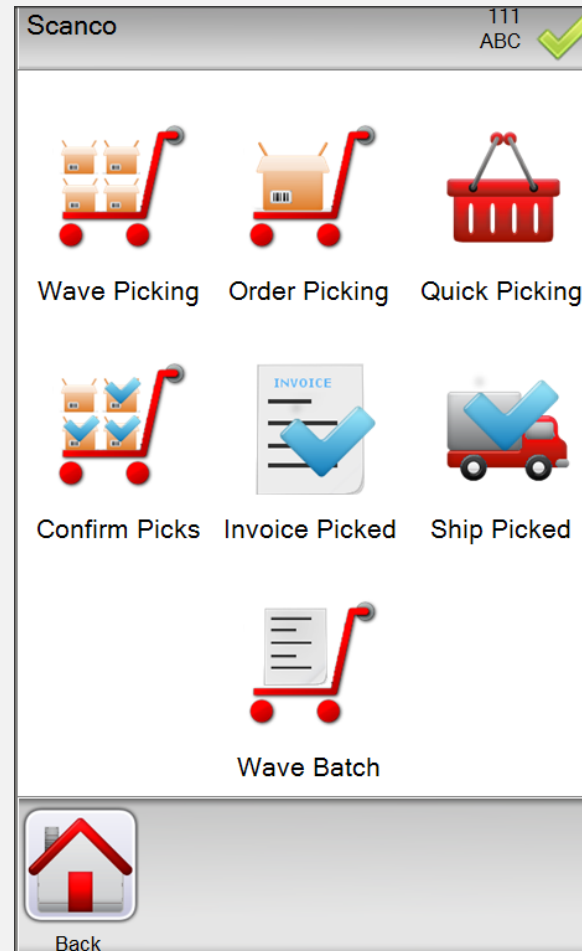


Processing Wave Batch Orders On the Scanners

From the Main application screen, press the Picking Icon.



Choose “Wave Batch” icon to start the data collection process.





Wave Pick Number Prompt.

Three options:

1. Scan Wave pick sheet Barcode if you have one.
2. Key in Wave pick number and press enter
3. Lookup Wave pick number

Wave Pick list lookup.

Description is included when the list is given description during creation.

Wave Batch 111
ABC

Wave Pick No.

Back Keys Lookup Enter

WavePickNo	Details
000000010	Desc: 98746512023.452153 Type: Master Qty Ordered: 396.0000 Qty to Pick: 392.9400
000000020	Type: Master Qty Ordered: 26.0000 Qty to Pick: 26.0000
00000002A	Desc: Pick Route: A Type: Split Master: 000000020 Qty Ordered: 15.0000 Qty to Pick: 15.0000
00000002B	Desc: Pick Route: B Type: Split Master: 000000020 Qty Ordered: 3.0000 Qty to Pick: 3.0000
00000002C	Desc: Pick Route: C Type: Split Master: 000000020 Qty Ordered: 2.0000 Qty to Pick: 2.0000
00000002D	Desc: Pick Route: D Type: Split Master: 000000020 Qty Ordered: 5.0000 Qty to Pick: 5.0000



Before Collecting First Item.

The example below shows the ACS Wave Batch Pick Entry screen and the scanner is prepared to collect the first item.

Wave Batch 111
ABC

Wave Pick No. 0000000081

Warehouse 000

Staging SHIPPING

Bin A10M

Scan Item 1001-HON-H252LK

HON 2 DRAWER LETTER FLE W/

UOM EACH

Qty Ordered 5.0000

Qty 2Pk/Pckd 5.0000 / 0.0000

Item

Review

Back

Send

Skip

Keys

Enter

Wave Batch Pick

Wave Pick No. 0000000081 Description Bot

Warehouse Code 000 Ship Staging Location SHIPPING Override Wave Batch is Transferred

Warehouse Code Ship Staging Location

Selected for this Wave Pick Batch

Select	Whse	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10M		1001-HON-H252LK		5.00	.00	.00	5.00	.00	
<input type="checkbox"/>	000	A20L		1001-HON-H252		50.00	.00	.00	50.00	.00	
<input type="checkbox"/>	000	A20M		2551-3-50	MAY10	5.00	.00	.00	5.00	.00	

	Qty Required	Qty Picked	Alloc in Shi...	Quantity Sh...	Avail in Shi...
Totals	60.00	.00	.00	60.00	.00

Pick Inventory Transfer Inventory Allocate Multi-bin



Quantity Prompt.

By looking at the Quantity Ordered, Quantity to Pick, Quantity Picked the user can enter any quantity up to the Quantity Ordered.

Wave Batch	111 ABC
Staging	SHIPPING
Bin	A20L
SalesOrderNo	0000198
Scan Item	2480-8-50
<i>DESK FILE 8" CAP 50</i>	
UOM	EACH
Qty Ordered	30
Qty 2Pk/Pckd	30 / 0
Item	2480-8-50
Lot	001
Quantity	<input type="text"/>

Back

Skip

Keys

Enter



After Collection of First Item.

On the right you will see the result of data collected includes quantity picked and destination or staging bin. On the left, the next item to be picked on scanner.

Wave Batch 111
ABC

Wave Pick No. 0000000081

Warehouse 000

Staging SHIPPING

Bin A20L

Scan Item 1001-HON-H252

HON 2 DRAWER LETTER FLE WA

UOM EACH

Qty Ordered 50.0000

Qty 2Pk/Pckd 50.0000 / 0.0000

Item

Review

Back Send Skip Keys Enter

Wave Pick No. 0000000081 Description Boc

Warehouse Code 000

Ship Staging Location SHIPPING

Override Wave Batch is Transferred

Warehouse Code

Ship Staging Location

Selected for this Wave Pick Batch:

Select	Whse	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10M		1001-HON-H252LK		5.00	5.00	.00	5.00	.00	SHIPPING
<input type="checkbox"/>	000	A20L		1001-HON-H252		50.00	.00	.00	50.00	.00	
<input type="checkbox"/>	000	A20M		2551-3-50	MAY10	5.00	.00	.00	5.00	.00	

Totals	Qty Required	Qty Picked	Alloc in Shi...	Quantity Sh...	Avail in Shi...
	60.00	5.00	.00	60.00	.00

Pick Inventory Transfer Inventory Allocate Multi-bin



Collecting quantity less than quantity ordered.

If the user chooses to enter a quantity lower than the quantity ordered at the quantity prompt, the quantity will be accepted.

In my example on the right I will enter quantity of 40.

Wave Batch	111 ABC	
Wave Pick No.	0000000081	
Warehouse	000	
Staging	SHIPPING	
Bin	A20L	
Scan Item	1001-HON-H252	
	<i>HON 2 DRAWER LETTER FLE WA</i>	
UOM	EACH	
Qty Ordered	50.0000	
Qty 2Pk/Pckd	50.0000 / 0.0000	
Item	1001-HON-H252	
Quantity	40	

Back

Skip

Keys

Enter



Result of data collected on right showing quantity collected is less than ordered, and next item on left.

Wave Batch 111 ABC ✓

Wave Pick No. 000000081

Warehouse 000

Staging SHIPPING

Bin A20M

Scan Item 2551-3-50

DESK FILE 3 1/2" CAP 50

UOM EACH

Qty Ordered 5.0000

Qty 2Pk/Pckd 5.0000 / 0.0000

Item

Review

Back Send Skip Keys Enter

Wave Pick No. 000000081 Description 302

Warehouse Code 000 Ship Staging Location SHIPPING Override Wave Batch is Transferred

Warehouse Code Ship Staging Location

Selected for this Wave Pick Batch

Select	Wave	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10M		1001-HON-H252LK		5.00	5.00	.00	5.00	.00	SHIPPING
<input type="checkbox"/>	000	A20L		1001-HON-H252		50.00	40.00	.00	50.00	.00	SHIPPING
<input type="checkbox"/>	000	A20M		2551-3-50	MAY10	5.00	.00	.00	5.00	.00	

Totals	Qty Required	Qty Picked	Alloc in Shi...	Quantity Sh...	Avail in Shi...
	60.00	45.00	.00	60.00	.00

The "Send" Button.



The user will press the "Send" button at the item prompt if they wish to finish the list without collecting ever item and \ or quantity on the list.

Example: If the quantity collected is lower than the quantity ordered, then the list is not complete.



Changing the Staging bin.

If you want to change the staging bin during the picking process, just touch this prompt and enter the new bin number.

After changing the Staging Location, the application will move back to item collection.

Wave Batch		111 ABC
Wave Pick No.	0000000081	
Warehouse	000	
Staging		

Back Keys Lookup Enter

Wave Batch		111 ABC
Wave Pick No.	0000000081	
Warehouse	000	
Staging	QUALITY	
Bin	A20M	
Scan Item	2551-3-50	
<i>DESK FILE 3 1/2" CAP 50</i>		
UOM	EACH	
Qty Ordered	5.0000	
Qty 2Pk/Pckd	5.0000 / 0.0000	
Item		
Review		

Back Send Skip Keys Enter



Scanning Incorrect Items.

User cannot collect incorrect item, message on the right is displayed.

Lot Prompt

The lot number that is allocated to the Order will be displayed and the user must scan or key in that lot number.

Wave Batch 111 ABC ✓

Wave Pick No. 0000000081

Warehouse 000

Staging

Bin

Scan Item

UOM

Qty Or

Qty 2P

Item

Please scan Item 2551-3-50.

OK

Review

Back Send Skip Keys Enter

Wave Batch 111 ABC ✓

Warehouse 000

Staging QUALITY

Bin A20M

Scan Item 2551-3-50

DESK FILE 3 1/2" CAP 50

UOM EACH

Qty Ordered 5.0000

Qty 2Pk/Pckd 5.0000 / 0.0000

Item 2551-3-50

Scan Lot MAY10

Lot

Back Skip Keys Enter



Incorrect Lot Entries.

In my example on the right, the lot to be collected is different from the one I am entering

Wave Batch	111 ABC	✓	
Staging	SHIPPING		
Bin	A20L		
SalesOrderNo	0000198		
Scan Item	2480-8-50		
<i>DESK FILE 8" CAP 50</i>			
UOM	EACH		
Qty Ordered	30		
Qty 2Pk/Pckd	30 / 0		
Item	2480-8-50		
Scan Lot	001		
Lot	<div style="background-color: red; height: 15px; width: 100%;"></div>		
Back	Skip	Keys	Enter

Invalid Lot Entry Message.

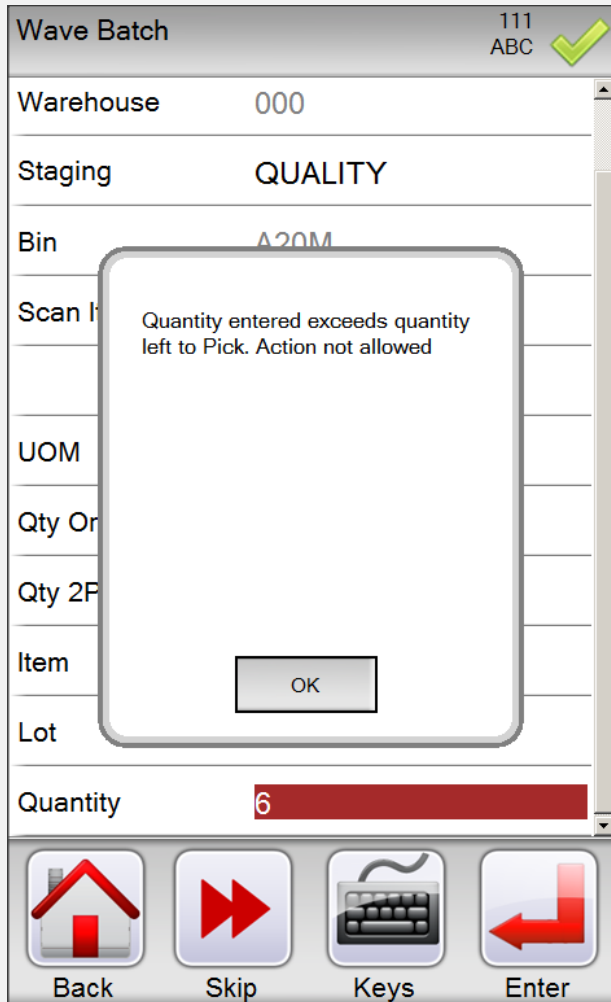
User cannot collect incorrect lot numbers, message on the right is displayed.

Wave Batch	111 ABC	✓	
Warehouse	000		
Staging	QUALITY		
Bin	A20M		
Scan Item	2480-8-50		
<div style="border: 1px solid gray; padding: 10px; text-align: center;">Please scan Lot MAY10.</div>			
UOM	EACH		
Qty Ordered	30		
Qty 2Pk/Pckd	30 / 0		
Item	2480-8-50		
Scan Lot	001		
Lot	JAN10		
Back	Skip	Keys	Enter



Incorrect Quantity Message.

The user cannot collect a quantity that is higher than quantity Allocated \ Ordered.



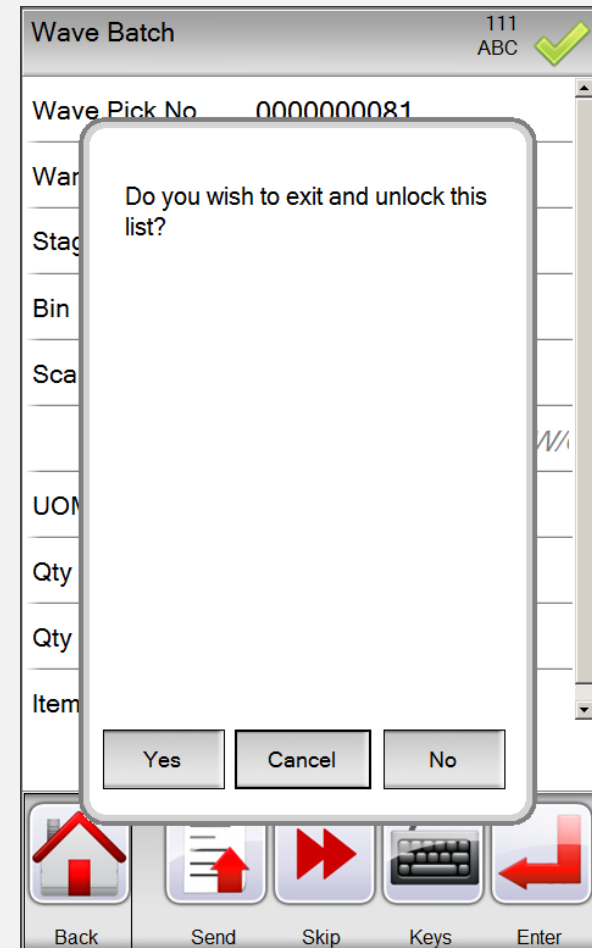
Exiting Without Finishing.

During the picking process the lines are locked for the scanner user. If the user chooses to exit before finishing or 'Sending' their data collected, they have to confirm the message shown on the right.

Yes = unlocks the lines so another user can continue the list.

No = leaves the lines locked and this user must finish them later or come back in an unlock them.

All the items and quantity collected are retained no matter which option you choose.





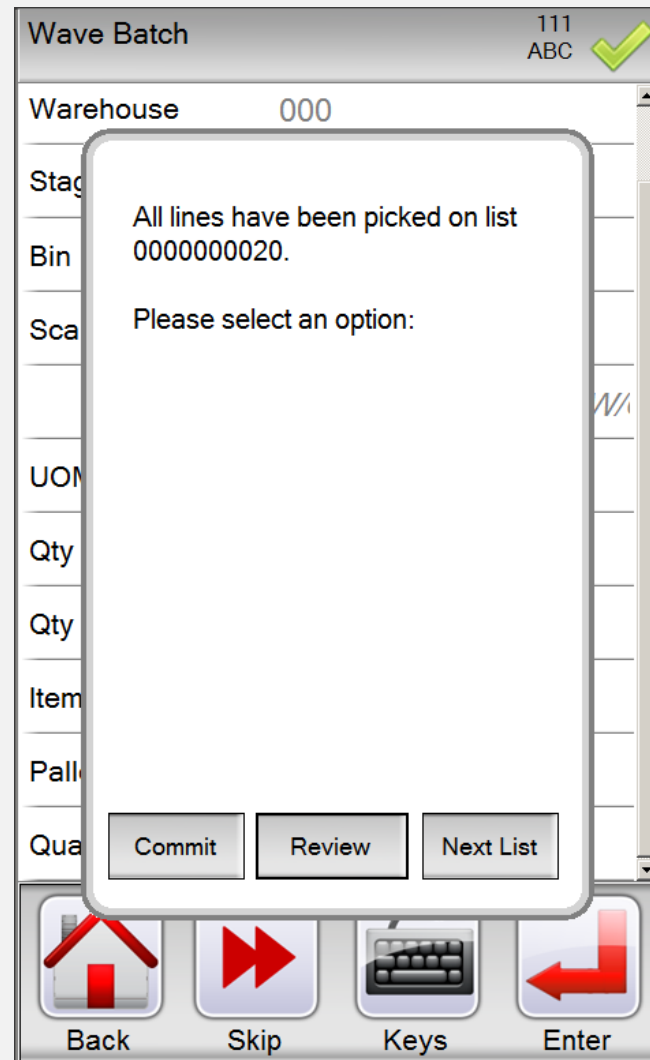
Finishing the list complete.

When the user collects the last item, the program will offer to send the data to complete the list.

Commit = finishes the list and transfers the items.

Review = allows the user to remove and redo incorrect entries.

Next list = places the focus back at the Wave pick number prompt.





When Pallets Are Involved.
 The user will collect the item first.

Wave Batch
111
ABC

Wave Pick No. 0000000020

Warehouse 000

Staging SHIPPING

Bin A10U

Scan Item 1001-HON-H252

HON 2 DRAWER LETTER FILE WA

UOM EACH

Qty Ordered 10.0000

Qty 2Pk/Pckd 10.0000 / 0.0000

Item

Review

Back

Send

Skip

Keys

Enter

Wave Pick No. 0000000020
Description

Warehouse Code 000
 Ship Staging Location SHIPPING
Override Wave Batch is Transferred

Warehouse Code
 Ship Staging Location

Selected for this Wave Pick Batch

Select	Whse	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10L	STD-11100000036	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10M	STD-11100000039	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10U	STD-11100000038	1001-HON-H252		10.00	.00	.00	10.00	.00	

	Qty Required	Qty Picked	Alloc in Shi...	Quantity Sh...	Avail in Shi...
Totals	30.00	.00	.00	30.00	.00

And collect the pallet second.



Wave Batch 111 ABC ✓

Warehouse 000

Staging SHIPPING

Bin A10U

Scan Item 1001-HON-H252

HON 2 DRAWER LETTER FLE WA

UOM EACH

Qty Ordered 10.0000

Qty 2Pk/Pckd 10.0000 / 0.0000

Item 1001-HON-H252

Scan Pallet STD-1110000038

PalletID

Back Skip Keys Enter

Wave Pick No. 0000000020 Description

Warehouse Code 000 Ship Staging Location SHIPPING Override Wave Batch is Transferred

Warehouse Code Ship Staging Location

Selected for this Wave Pick Batch:

Select	W/hs	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10L	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10M	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10U	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	

Wave Batch 111 ABC ✓

Warehouse 000

Staging SHIPPING

Bin A10U

Scan Item 1001-HON-H252

HON 2 DRAWER LETTER FLE WA

UOM EACH

Qty Ordered 10.0000

Qty 2Pk/Pckd 10.0000 / 0.0000

Item 1001-HON-H252

PalletID STD-1110000038

Quantity

Back Skip Keys Enter

Wave Pick No. 0000000020 Description

Warehouse Code 000 Ship Staging Location SHIPPING Override Wave Batch is Transferred

Warehouse Code Ship Staging Location

Selected for this Wave Pick Batch:

Select	W/hs	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input type="checkbox"/>	000	A10L	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10M	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	000	A10U	STD-1110000038	1001-HON-H252		10.00	.00	.00	10.00	.00	

Totals	Qty Required	Qty Picked	Alloc in Shi	Quantity Sh	Avail in Shi
	30.00	.00	.00	30.00	.00

And then the quantity for the item on pallet.



Results when user presses **Send** in the middle of their list.
 “Select” is checked and Qty Picked is locked.

Selected for this Wave Pick Batch											
Select	Whse	Bin Location	Pallet ID	Item Code	Lot Serial No	Qty Required	Qty Picked	Alloc in Shipping	Quantity Short	Avail in Shipping	Destination Bin
<input checked="" type="checkbox"/>	001	A-100-20		PFS-007-CABLE		1,000.00	1,000.00	.00	1,000.00	.00	A-100-10
<input type="checkbox"/>	001	A-300-30		PFS-007-CONN-F		10.00	.00	.00	10.00	.00	
<input checked="" type="checkbox"/>	001	A-300-40		PFS-007-CONN-M		15.00	15.00	.00	15.00	.00	A-100-10
<input type="checkbox"/>	001	B-100-40		GB-MD791	1477	1.00	.00	.00	1.00	.00	
<input type="checkbox"/>	001	E-100-40		GLOB-V-3096-25w		5.00	.00	.00	5.00	.00	
<input type="checkbox"/>	001	E-100-50		GLOB-V-3696-25w		4.00	.00	.00	4.00	.00	
<input type="checkbox"/>	001	E-400-10		VOG-CM-MSD		8.00	.00	.00	8.00	.00	
<input type="checkbox"/>	001	E-400-20		VOG-CM-MP-B		3.00	.00	.00	3.00	.00	
<input type="checkbox"/>	001	E-500-10		VOG-CM-CASTERS		10.00	.00	.00	10.00	.00	
<input type="checkbox"/>	001	E-500-20		WJ-M-2109-A		5.00	.00	.00	5.00	.00	
<input type="checkbox"/>	001	E-500-30		WJ-M-2107-B		12.00	.00	.00	12.00	.00	