RF Relocate2

Pre-Requisites

The warehouse must have at least one zone with the zone type "MOBILE".

This "MOBILE" zone must have at least one location. If you intend to have N operators running the RF Relocate2 program concurrently on N scanners, then you need to create at least N locations in this "MOBILE" zone.

Description

The RF Relocate2 program uses the concept of a shopping cart in a supermarket for implementing the relocation mechanism.

Every user running the Relocate2 program will be assigned a "shopping cart" with a warehouse location. This warehouse location must belong in a zone with the zone type "MOBILE". The program uses the user ID to reserve the "MOBILE" location, so once the user has started placing goods in the shopping cart, the same user ID will only be able to use this warehouse location – regardless of which scanner the operator uses to run the Relocate2 program – as the mobile (or shopping cart) location. The mobile location will be unassigned from the user ID when the shopping cart is emptied at the end of the relocation.

Once the mobile location has been assigned, the operator can go about the warehouse to pick up stuff from the storage locations. At each storage location, the operator has to scan the storage location ID. If there is only one pallet in the storage location, that pallet ID will be automatically retrieved. If there are more than one pallet in the storage location, the operator will need to specify the source pallet.

Once the source pallet is specified, the operator can use the Relocate2 program to pick items from the source pallet into the mobile pallet (shopping cart). The Relocate2 program provides 4 methods for picking:

- pick every item from the source pallet
- pick all the qtys of a selected item from the source pallet (if the pallet contains mixed items)
- transact by SKU number / qty
- transact by serial number

The Relocate2 program allows the operator to pick goods from multiple locations into the "shopping cart" (mobile location). In reality, the WMS is actually performing a background relocation from the source pallet into the mobile pallet.

Finally, all the contents in the "shopping cart" (mobile pallet) are unloaded into a destination storage location. In the background, a second relocation is executed from the mobile pallet into the final destination pallet.

The advantage of the Relocate2 program is that it is functionally simpler to operate than the more complicated Relocate program.

Screen Captures
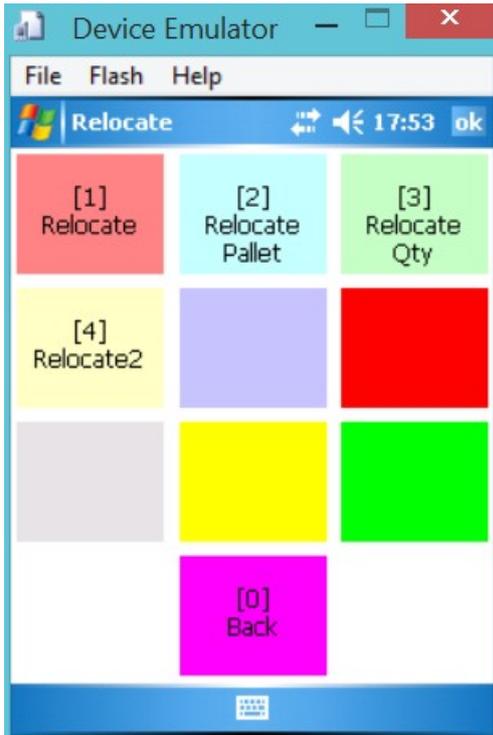
The "Relocate2" program is a new program option in the Relocate menu.
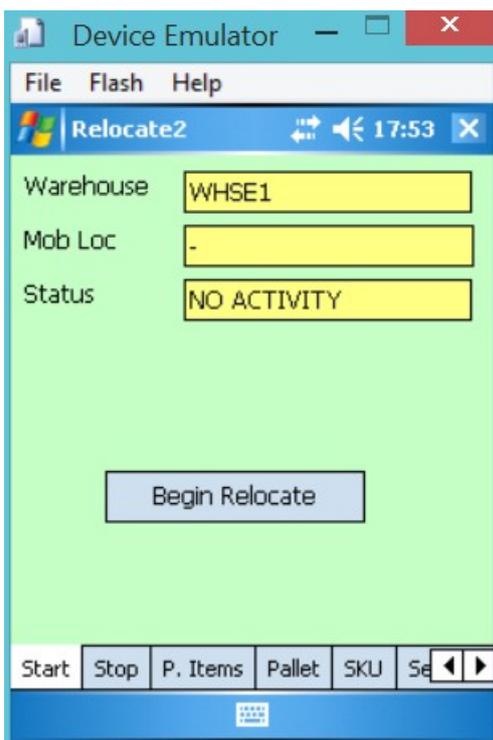
The **Start** tab.

Click the [Begin Relocate] button to reserve a mobile location ("shopping cart").

The warehouse need to have at least one zone with the zone type "MOBILE", and at least one location in this zone. Such locations are designated as mobile locations.

The "MB070101" location has been assigned as the "shopping cart" for the operator.

The **Stop** tab.

Use this page to end the relocation exercise to transfer all picked items in the "shopping cart" to the Destination Location.
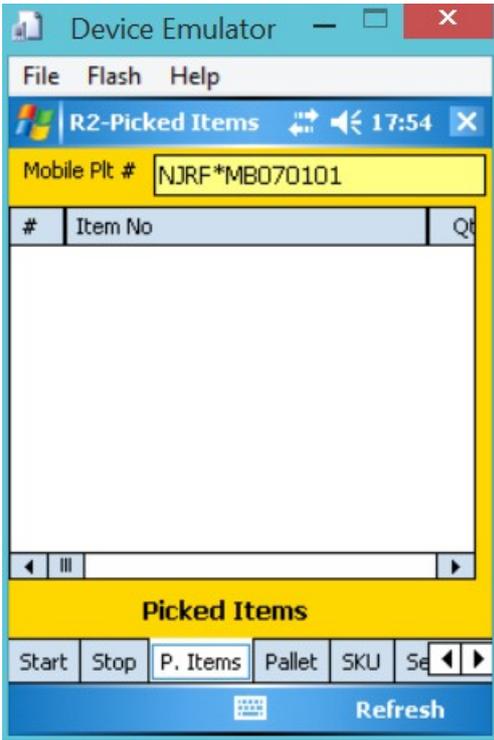
The **Picked Items** tab.

This tab shows all the items that have been picked into the mobile pallet in the "shopping cart" location.

The mobile pallet number is always of the form:

UserID*MobileLocationID
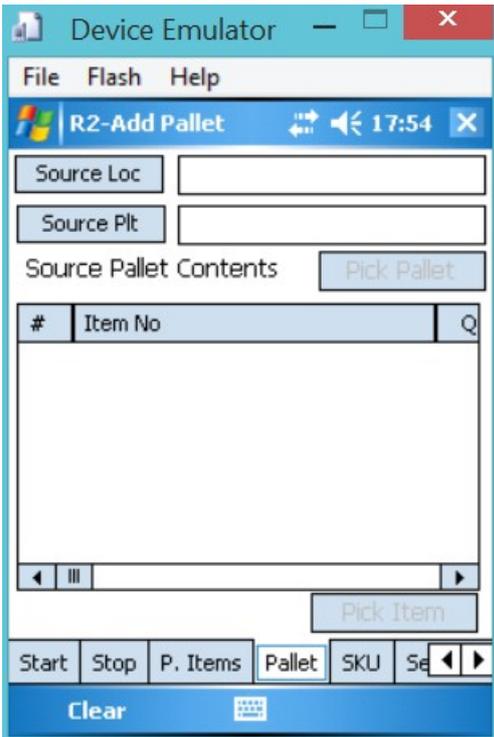
The **Add Pallet** tab.

Use this tab to pick:

- an entire pallet,

  or

- all the qtys of a specific item from the source pallet
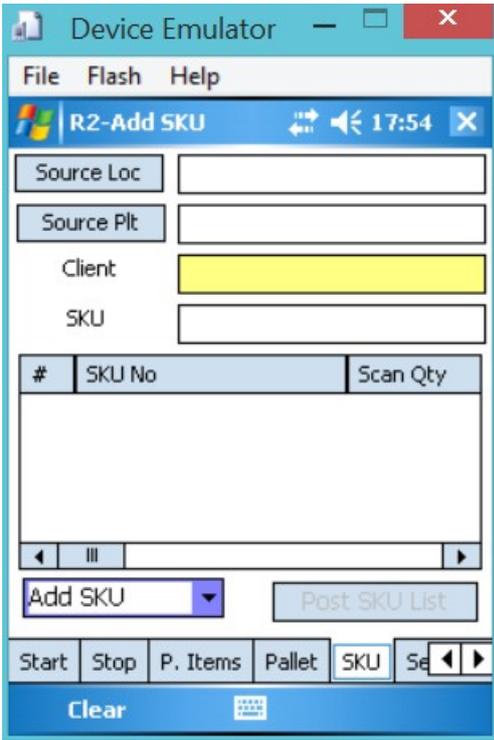
The **Add SKU** tab.

Use this tab to pick by SKU numbers.
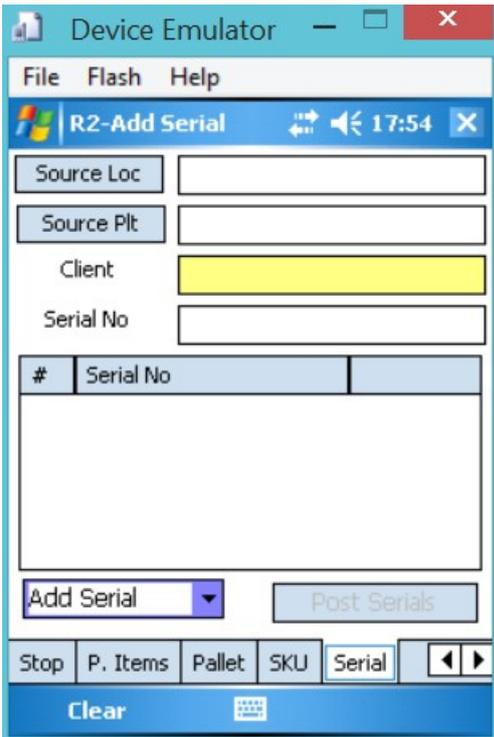
The **Add Serial** tab.

Use this tab to pick by Serial Numbers.

Note that to pick by Serial Numbers, the product definition for the pallet's items must be configured with Serial Tracking.
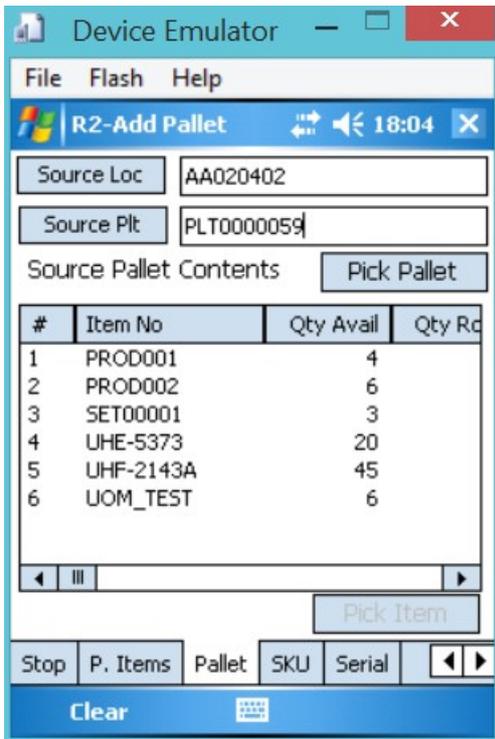
Picking All Qtys of a Selected Item

After the Source Location and Source Pallet has been specified, the Items and Qtys on the source pallet will be displayed in the grid.
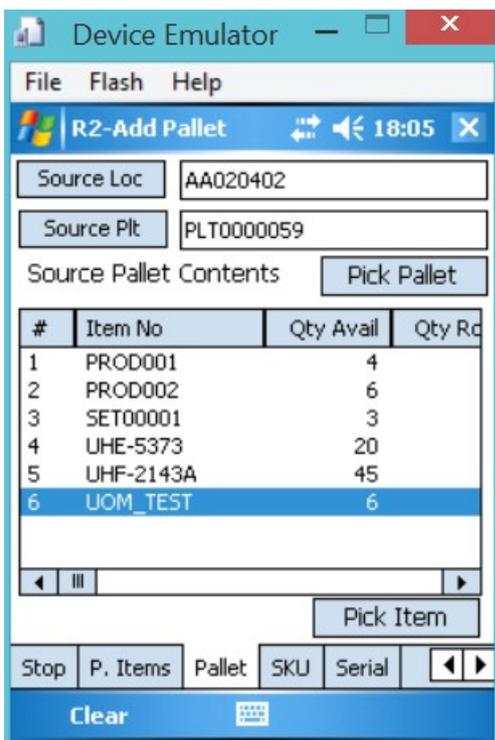
When a specific item ("UOM_TEST" in this example) has been selected, the [Pick Item] button will be enabled.

Clicking the [Pick Item] button will relocate all the 6 pieces of "UOM_TEST" on the source pallet into the mobile pallet.
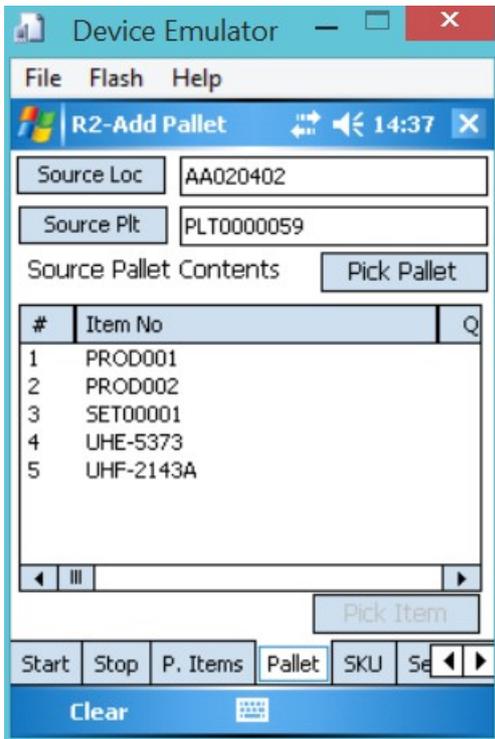
After processing, the "UOM_TEST" item no longer appears in the grid.
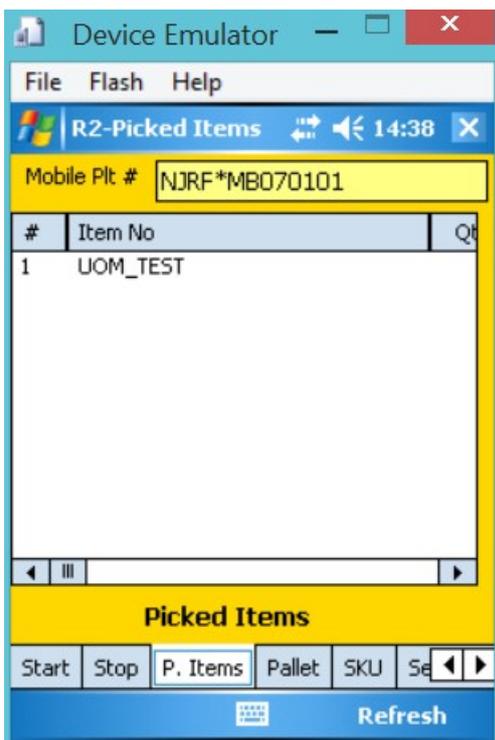
The "UOM_TEST" item is now shown in the mobile pallet.
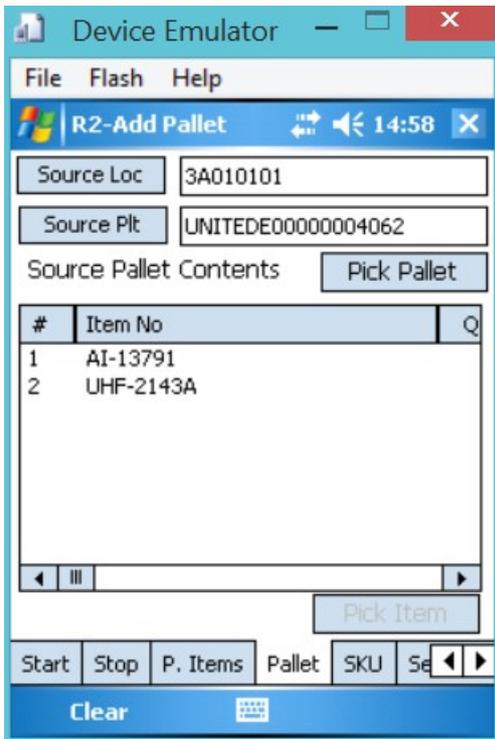
Pick An Entire Pallet

To pick all the items on the source pallet, simply click the [Pick Pallet] button.
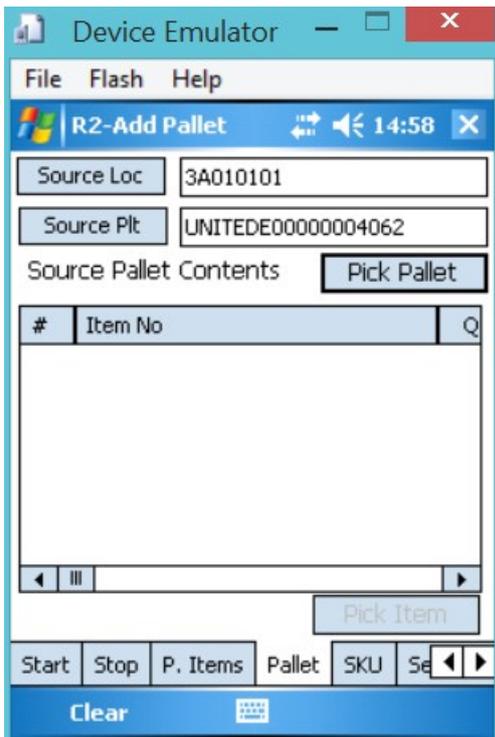
After processing, the source pallet is now empty.
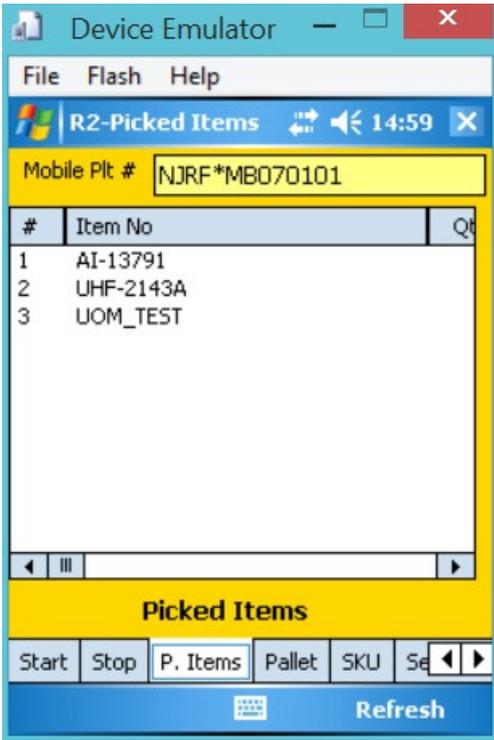
All the contents on the source pallet has been added to the mobile pallet.
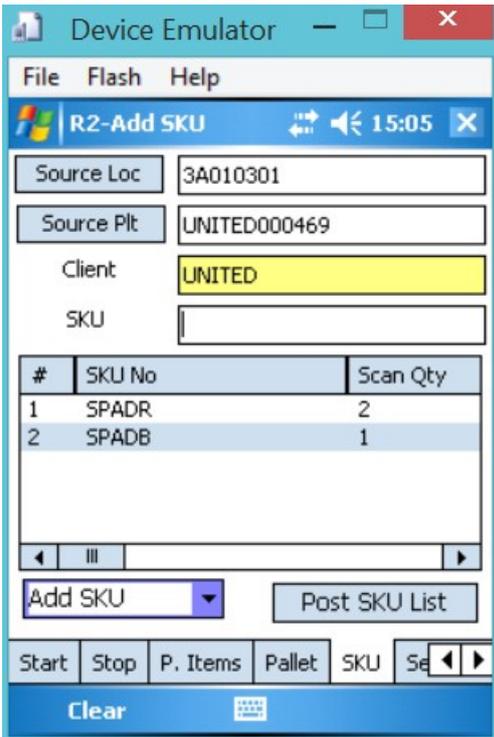
SKU tab.

To transact by SKU scanning, simply scan all the SKU numbers on the goods that are picked from the source pallet, and after the last SKU number has been scanned, to click the [Post SKU List] button.

The program will then proceed to relocate each SKU number/qty in turn from the source pallet to the mobile pallet.
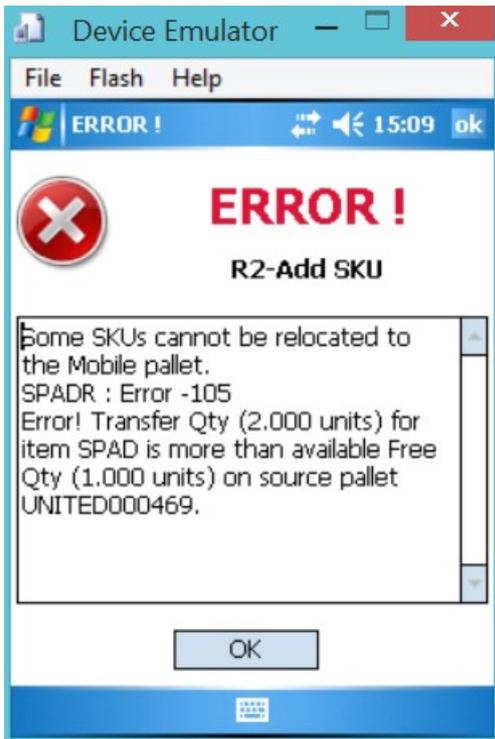
If there was any error encountered for a particular SKU number, that particular SKU number will not be transacted, and the error message will be displayed.
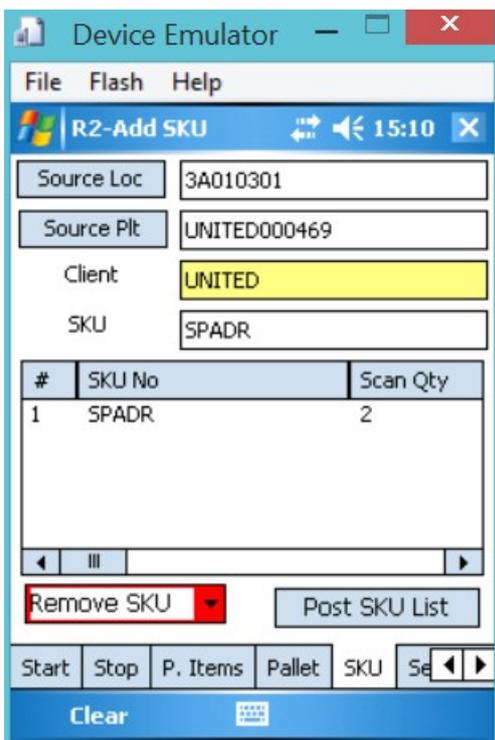
Switch the mode from "Add SKU" to "Remove SKU". Scan the SKU number again to decrement the Scan Qty.
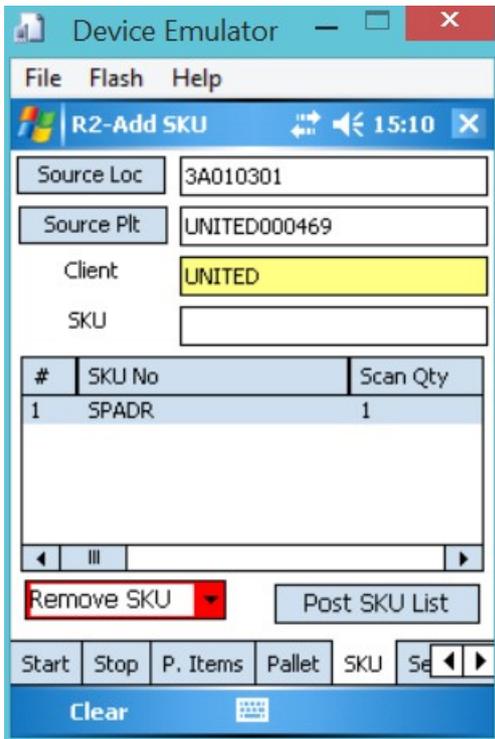
"Scan Qty" decremented from 2 to 1.
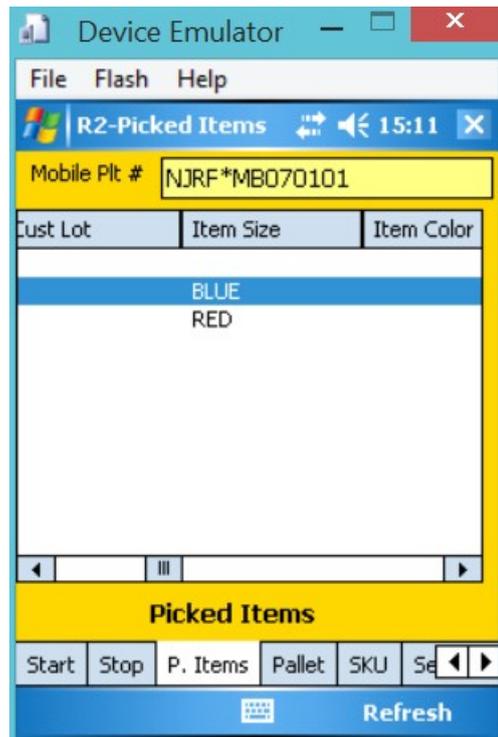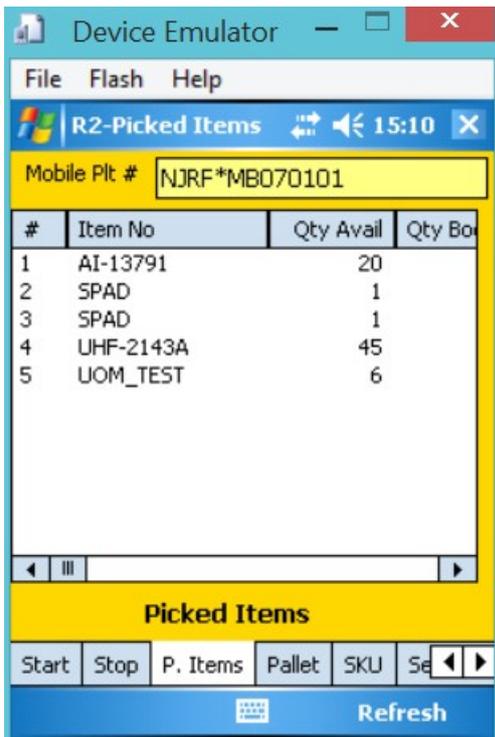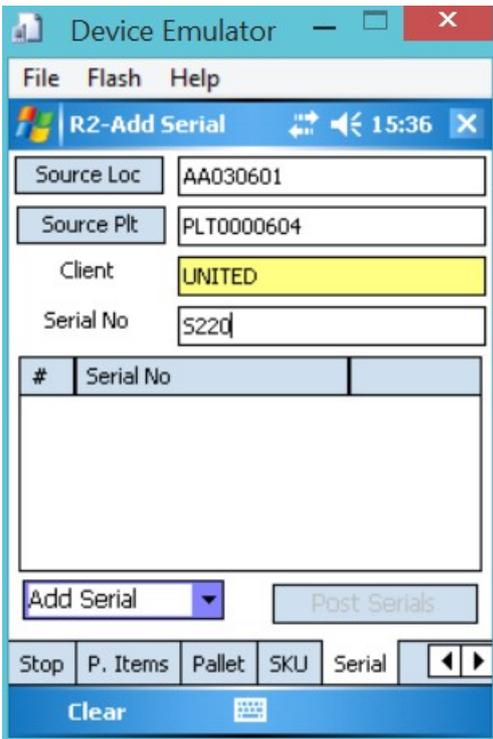
Serial tab.

Note that the "Serial" tab can only be used for scanning products that have Serial Tracking enabled.

If a product has Serial Recording enabled, use the "Pallet" tab instead.

Scan the serial number from the source pallet into the "Serial No" textbox.

If the serial has any problems, an error message will be displayed and the serial cannot be transacted.
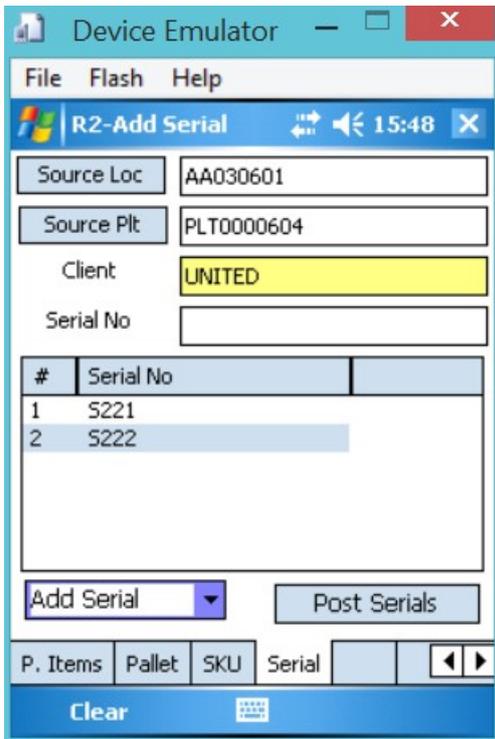
Grid shows the serials that are successfully scanned.

You can switch the mode from "Add Serial" to "Remove Serial" to remove a serial number from the grid.

Click the [Post Serials] button to relocate the selected serials from the source pallet into the mobile pallet.
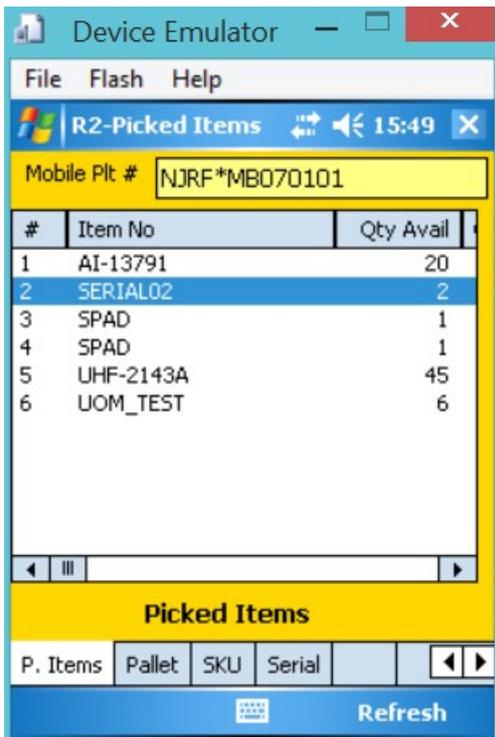
The serial items have been added to the mobile pallet.
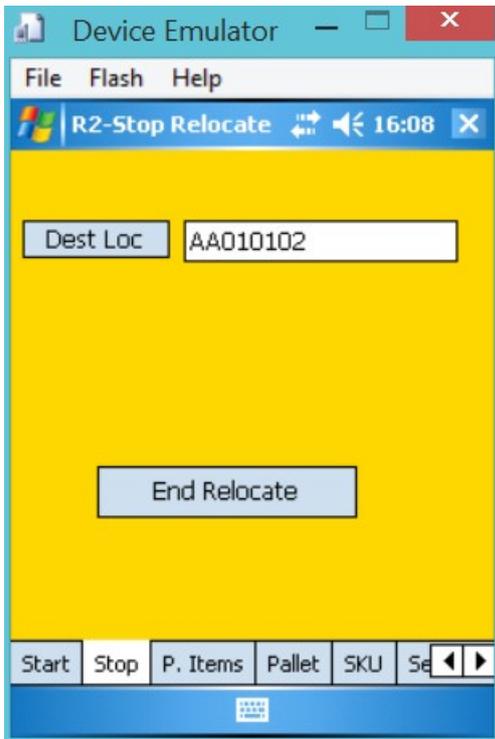
"Stop" tab.

When all picks have been completed, bring the physical items in the shopping cart to the destination location. Specify this location in the "Dest Loc" text box, and then click the [End Relocate] button to relocate all the items on the mobile pallet to the destination location.

Note that if there is an existing pallet in the destination location, the mobile pallet items will be merged into the existing pallet.

If the destination location is empty, a new pallet number will be generated.

The program will switch to the "Start" tab.
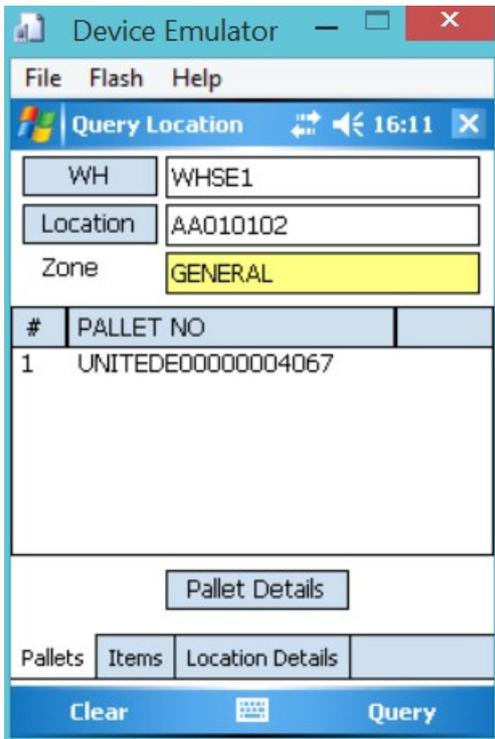
If you run the menu option:

Query > Location

and query the destination location, you can see the Pallet Number and the pallet contents in that location.