
Feature Focus Guide:

Advanced Pizza in TS

Core Product: Aloha Table Service
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Revision Record

Date	Version #	Description
Prior to 01/27/2023	v14.1+	Implemented Advanced Pizza in Aloha Table Service based on the Aloha Quick Service solution.
01/27/2023		Converted the document to use new templates. Updated the front cover and back page to reflect new NCR branding.

About Advanced Pizza in TS

Advanced Pizza in TS at a glance	
Core Product	Aloha Table Service
Complementary Products	None
Separate License Required?	No
Other References	Aloha Table Service Manager Guide, Aloha Table Service Server Guide, Aloha Table Service Reference Guide



Figure 1 Pizza Illustration

The pizza business is a highly competitive multi-million dollar market that stretches across countries worldwide. The product appeals to all consumers due to the unlimited topping choices you can offer to build the pizza. Another attractive selling point is a single pizza can feed the whole family.

The driving concern for a pizza business is to:

- Increase the speed of customer service.
- Increase the accuracy of pizza orders.
- Improve the quality of the pizza.
- Provide a delivery solution, which in some countries is the most viable method for consumers.
- Provide a concise method to deplete the correct amount of topping ingredients for an inventory system to use.

The Aloha solution

The Aloha POS system offers several solutions to ordering pizza and can accommodate many different aspects of the ordering process. The main solutions are:

- Basic Pizza
- Advanced Pizza

Starting in Aloha Quick Service and Aloha Table Service v3.9.40, we introduced a pizza ordering solution that provided a simple way to order and modify size, crust, and toppings from a single hard-coded 'Pizza Modifier' screen. This solution utilizes items residing in a user-defined 'Pizza' category and also allows you to add toppings to half of the pizza only. This solution is aimed at restaurants that offer pizzas on their menu, but pizzas are not the backbone of their business. This solution is called Basic Pizza.



Reference: Refer to the Basic Pizza Feature Focus Guide for information on how to configure and use Basic Pizza.

Then we offered a solution for a more advanced pizza ordering environment aimed at more exclusive pizza restaurants. These types of establishments sell pizzas as the majority of their business and you can support halves, thirds, and quarter toppings. The solution was first introduced in the Aloha Quick Service product in POS v6.7, and does not utilize, or build upon, the Basic Pizza setup. In POS v14.1, the feature was carried over to the Table Service product. In both Quick Service and Table Service products, you design the screens the way you want them, using Screen Designer, to accommodate the method of ordering.

Glossary of terms

You need to be familiar with the following terms as you read this document:

Glossary Term	Description
base pizza or topping	The pizza or topping that covers the whole pizza.
Build-Your-Own (BYO)	A specific pizza menu item that starts with a base price and the price of the pizza increases with each topping you add. This type of pizza is the most commonly ordered pizza in the pizza industry.
fractional pizzas	A pizza that is divided into halves, thirds, or quarters, so that a guest can order more than one pizza menu item per pizza. You must first implement the fractional toppings solution and then build upon that to implement the fractional pizza solution.
fractional toppings	A pizza topping that only covers a half, third, or quarter of a whole pizza.
pizza menu items	The pizza choices that appear on the menu, such as Meat Lovers, BYO, Supreme. If you support fractional pizzas, this can include Halves, Thirds, and Quarters, even though these are not items that typically appear on a pizza menu.
Pizza Modifier screen	The original Aloha POS implementation for pizza. This implementation is very basic, only supports “halves” for fractional toppings, and does not support fractional pizzas at all.
pizza toppings	The individual topping choices that go on a pizza, such as mushrooms, onions, bell peppers, and more.
size panels	A panel created to navigate the order entry employee to pizza choices that coincide with the fractional pizza size being entered.

Sample menu used throughout this document

You configure advanced pizza in several different areas of the Aloha POS system. The design and the usability of your pizza ordering is only as well as you make it. To help you implement a full pizza ordering environment, this document provides instructions on how to implement the following sample of a pizza menu. Adjust your implementation to accommodate your own pizza environment.

SAMPLE PIZZA MENU			
Pizza Items	Small	Medium	Large
Build Your Own (BYO) Pizza	\$6.00 (base)	\$8.00 (base)	\$10.00 (base)
3-Topping Pizza	\$8.00	\$10.00	\$12.00
Supreme (includes Pepperoni, Green Peppers, Black Olives, Sausage, Red Onions, Mushrooms, Cheese)	\$10.00	\$12.00	\$14.00
Meat Lovers (includes Canadian Bacon, Beef, Pepperoni, Sausage, Cheese)	\$10.00	\$12.00	\$14.00
Pizza Toppings *:	\$0.50	\$0.75	\$1.00
Beef, Canadian Bacon, Pepperoni, Sausage, Anchovies, Black Olives, Cheese, Green Peppers, Jalapeños, Mushrooms, Red Onions, Tomatoes			
<i>* Extra portions for add-on toppings are 1 1/2 price and 1/2 price for included toppings. We also offer pizzas in halves, thirds, and quarters.</i>			
Crusts:			
Thin, Thick, Pan (\$1.00)			
Sauces:			
Tomato Sauce, Alfredo, Pesto			

Section 1: Implementing fractional toppings

This section details the configuration requirements within Aloha Manager and Aloha Configuration Center (CFC) for Advanced Pizza in Table Service. If you are an experienced user, refer to Procedures at a Glance for abbreviated steps. If you prefer more detail, continue reading this document.

Advanced Pizza in TS procedures at a glance:	
If you are viewing this document using Adobe Acrobat Reader, click each link for detailed information regarding the task.	
1.	Access Maintenance > Business > Advanced Features if using Aloha Manager; or Maintenance > Business > Corporate Administration if you are using Aloha Configuration Center, and select 'Display Advanced Pizza' so you can see and use the options related to Advanced Pizza. See page 6 .
2.	Access Maintenance > Menu > Items and create an item for each pizza menu item, pizza sauce, pizza crust, supported fraction, and pizza topping. See page 7 .
3.	Access Maintenance > Pricing > Price Levels and create a price level for each pricing tier you use for the pizza toppings, based on the size of the pizza. See page 15 .
4.	Access Maintenance > Menu > Modifier Groups and create a modifier group for the pizza toppings, pizza crusts, and pizza sauces, based on each size of the pizza. See page 16 .
5.	Access Maintenance > Business > Store > Store Settings and activate the Included Modifiers functionality, then access Maintenance > Menu > Items and configure the included modifiers that come on the specialty pizzas, by default. See page 21 .
6.	Select Maintenance > Business > Store > Store Settings tab and configure the pricing for fractional toppings. See page 28 .
7.	Access Screen Designer and create the FOH screens for Advanced Pizza. See page 30 .
8.	Access Maintenance > Menu > Submenus and Maintenance > Menu > Modifier Groups and attach the custom submenu panels and modifier panels to their respective submenu and modifier groups. See page 32 .
9.	Select Maintenance > Hardware > Printers and optionally configure the printing requirements for advanced pizza. See page 50 .
10.	Access Utilities > Refresh POS Data to update the information on the FOH terminals, or wait for the End-of-Day (EOD) process to accomplish the data refresh for you. See page 52 .

Configuring pizzas with fractional toppings

There are several components to configuring pizzas with fractional toppings. (1) Select advanced pizza to activate the available options; (2) the menu must contain pizzas with assorted sizes, crusts, sauces, and toppings; (3) allowing pizza topping fractions. Fractional pizza topping is a pizza topping that only covers a half, third, or quarter of a whole pizza.

Making Advanced Pizza active

You must make Advanced Pizza active so you can see and use all the Advanced Pizza options in the user interface. You cannot configure Advanced Pizza until you make it active.

To make Advanced Pizza active:

1. Select **Maintenance > Business > Additional Features** if you are using Aloha Manager or select **Maintenance > Business > Corporate Administration** if you are using Aloha Configuration Center.

The screenshot shows the 'Additional Features' configuration window. At the top, there is a 'Corporate:' dropdown menu set to 'Corporate'. Below it are tabs for 'Corporate Owner', 'Required Employee Fields', and 'Default Values'. The 'Options to display' section is expanded, showing a list of features with checkboxes. The 'Display advanced pizza' option at the bottom is highlighted with a red rectangle and has its checkbox checked.

Options to display	Checkbox
Display Aloha QuickService settings	<input checked="" type="checkbox"/>
Display Aloha TableService settings	<input checked="" type="checkbox"/>
Display cash card	<input checked="" type="checkbox"/>
Display Campus Card	<input checked="" type="checkbox"/>
Display gift card	<input checked="" type="checkbox"/>
Display basic gift certificates	<input checked="" type="checkbox"/>
Display aloha gift certificates	<input checked="" type="checkbox"/>
Display quick count	<input checked="" type="checkbox"/>
Display VideoMX	<input checked="" type="checkbox"/>
Display property management	<input checked="" type="checkbox"/>
Display survey	<input checked="" type="checkbox"/>
Display token distribution	<input type="checkbox"/>
Display Aloha Loyalty	<input checked="" type="checkbox"/>
Display drink dispenser	<input checked="" type="checkbox"/>
Display scales	<input checked="" type="checkbox"/>
Display club membership	<input checked="" type="checkbox"/>
Display delivery	<input type="checkbox"/>
Display credit card	<input checked="" type="checkbox"/>
Display Air Force	<input checked="" type="checkbox"/>
Display Vizor	<input checked="" type="checkbox"/>
Display break rules	<input checked="" type="checkbox"/>
Display Context Panels	<input checked="" type="checkbox"/>
Display advanced pizza	<input checked="" type="checkbox"/>

Figure 2 Display Advanced Pizza

2. Under the 'Options to display' group bar, select **Display advanced pizza**.

3. Click **Save** and exit the **Additional Features/Corporate Administration** function.
4. Log out of **CFC/Aloha Manager** and **log back in** to view the new options.

Creating pizza items

In Item Maintenance, create an item for each pizza menu item (e.g. Supreme, Meat Lover, BYO), each pizza topping (e.g. pepperoni, onions, black olives), each pizza crust (e.g. thin), each sauce choice (e.g. tomato), and each pizza fractional topping you support (e.g. halves, thirds, and quarters).

Create an item for each pizza item on the menu, being sure to create an item for each size of the pizza offered, instead of configuring the different sizes as modifiers. For example, if the menu has a Supreme pizza that you offer in Small, Medium, and Large, create three separate pizza menu items: 100 - Supreme Small, 101 - Supreme Medium, and 102 - Supreme Large.

You should always price pizza menu items in Item Maintenance.

To create a pizza menu item:

In keeping with the sample pizza menu on [page 4](#), you would create the following items:

BYO Small (\$6.00)	Meat Lovers Small (\$10.00)
BYO Medium (\$8.00)	Meat Lovers Medium (\$12.00)
BYO Large (\$10.00)	Meat Lovers Large (\$14.00)
Supreme Small (\$10.00)	3-Topping Small (\$8.00)
Supreme Medium (\$12.00)	3-Topping Medium (\$10.00)
Supreme Large (\$14.00)	3-Topping Large (\$12.00)

You may need to abbreviate some names due to the number of characters available in Item Maintenance.

1. Select **Maintenance > Menu > Items**.
2. Click the **New** drop-down arrow, select **Standard**, and click **OK**.

3. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

Settings	
Number	30057
Type	Standard
Short name	3-Top Sm Pizza
Chit name	3-Top Sm Pizza
Chit name alternate	
Long name	3-Topping Small Pizza
Long name alternate	
Button image	None
Control name	
Ask for description	<input type="checkbox"/>
Export ID	0

Assignments	
Tax group	Tax Group 1
Concept	None
Sales/retail category	PIZZA

Auto menu	

Advanced Pizza	

Figure 3 Items - Item Tab

4. Type a **descriptive name** for the pizza menu item, being sure to associate the size of the pizza item as part of the name.
5. Under the 'Assignments' group bar, select a **tax group** to assign to the item.
6. Select the **category** under which the pizza menu item resides, such as 'Pizza.'

7. Under the 'Advanced Pizza' group bar, select **Pizza** to indicate this item is a pizza menu item.

The screenshot shows the 'Items' tab for item '30057 3-Topping Small Pizza PIZZA'. The 'Advanced Pizza' group bar is expanded, showing options: Topping, Pizza (selected), Fraction, Fraction pricing override (set to None), Initial Topping (set to 0), Size (set to None), and Sum of fractions must equal a whole (unchecked).

Figure 4 Item Tab - Advanced Pizza Group Bar

8. Clear **Sum of fractions must equal a whole**.
9. Select the **Pricing** tab.

The screenshot shows the 'Items' tab for item '30057 3-Topping Small Pizza PIZZA'. The 'Pricing' tab is selected and circled in red. The 'Pricing options' group bar is expanded, showing: Eligible for fixed pricing (unchecked), Pricing method (Item Price), Minimum price (0.00), Maximum price (999999.99), and Default price (8.00).

Figure 5 Pricing Tab - Pricing Options Group Bar - Pizza Menu Item

10. Select **Item Price** from the 'Pricing method' drop-down list.
11. Type the **base price** of the pizza in 'Default price.'
12. Configure the **remaining options** as you would do for any other item, where available.
13. Click **Save**.

14. Repeat this **procedure** for any other pizza menu item you offer.
15. Continue to the **next procedure**.

Creating pizza topping, crust, and sauce items

Create an item for each pizza topping (such as pepperoni, onions, and more), each pizza crust (such as thin, thick, and more), and each pizza sauce (tomato, Alfredo, and more).

If you do not support different priced toppings per pizza size, you can easily price toppings in Item Maintenance; however, if you support different priced toppings per pizza size (as showing in the sample pizza menu), price pizza toppings using price levels in Price Level Maintenance. If you price the toppings in both Item Maintenance and Price Level Maintenance, the price level always take precedence, in accordance to the Aloha pricing hierarchy. Also shown in the sample pizza menu, there is a \$1.00 charge for a pan crust. In this instance, add the \$1.00 price in Item Maintenance.

In most pizza restaurants, the price of a topping typically does not appear separately on the check. If you want this result, select 'Combine price with parent item' for each pizza topping, crust, and sauce on the Modifier tab in Item Maintenance.

To create each pizza topping, crust, or sauce item:

In keeping with the sample pizza menu on [page 4](#), you would create the following pizza topping, pizza crust, and pizza sauce items:

Toppings:

Anchovies	Beef	Canadian Bacon
Pepperoni	Sausage	Anchovies
Black Olives	Cheese	Green Peppers
Jalapeño	Mushrooms	Onions
Tomatoes		

Crusts:

Thin	Thick	Pan (\$1.00)
------	-------	--------------

Sauces:

Alfredo	Pesto	Tomato Sauce
---------	-------	--------------

You may need to abbreviate some names due to the number of characters available in Item Maintenance.

1. While still in Item Maintenance, select the **New** drop-down arrow, select **Standard**, and click **OK**.
2. Click **New** and accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.
3. Type a **descriptive name** for the pizza topping, crust, or sauce item, such as 'Pepperoni.'

Settings	
Number	30020
Type	Standard
Short name	Pepperoni
Chit name	Pepperoni
Chit name alternate	
Long name	Pepperoni
Long name alternate	
Button image	None
Control name	Pizza
Ask for description	<input type="checkbox"/>
Export ID	0

Assignments	
Tax group	Tax Group 5
Concept	Pizza
Sales/retail category	PIZZA

Auto menu	

Figure 6 Items - Item Tab (Pizza Topping)

4. Under the 'Assignments' group bar, select a **tax group** to assign to the item.
5. Select the **category** under which the pizza menu topping resides, such as 'PIZZA.'

- Under the 'Advanced Pizza' group bar, select **Topping** to indicate this item is a pizza topping, crust, or sauce item.

The screenshot shows the 'Items' window for '30020 Pepperoni PIZZA'. The 'Advanced Pizza' group bar is expanded, showing three options: 'Topping' (checked), 'Pizza' (unchecked), and 'Fraction' (unchecked).

Item	Modifier	Pricing	General Settings	Print	Display Options	Quick Count	Dynamic Modifiers	Pizza Topping Matrix	SKU Numbers
Settings									
Assignments									
Auto menu									
Advanced Pizza									
Topping									<input checked="" type="checkbox"/>
Pizza									<input type="checkbox"/>
Fraction									<input type="checkbox"/>

Figure 7 Items - Advanced Pizza Group Bar (Pizza Topping)

Tip: If you do not select 'Topping' for the pizza topping, crust, and sauce items, these items do not respect any pricing when you enter the pizza in the FOH.

- Select the **Modifier** tab.
- Select **Combine price with parent item** if you want to combine the price of the modifier item with the item being modified. If you clear this option, the price of the modifier and the price of the parent item appear separately on the order screen and the guest check.

The screenshot shows the 'Items' window for '30004 Thin Crust PIZZA'. The 'If used as modifier' group bar is expanded, showing several options. The 'Combine price with parent item' option is selected (checked) and is highlighted with a red circle.

Item	Modifier	Pricing	General Settings	Print	Display Options	Quick Count	Dynamic Modifiers	Pizza Topping Matrix	SKU Numbers
If used as modifier									
Apply surcharge									<input type="checkbox"/>
Apply price multiple									<input type="checkbox"/>
Combine price with parent item									<input checked="" type="checkbox"/>
Highlight if modifier									<input type="checkbox"/>
Print independently									<input type="checkbox"/>
Display context panel									<input type="checkbox"/>
Default weight									1

Figure 8 If Used as Modifier Group Bar (Pizza Topping)

Aloha Café 5555 Fifth Avenue South Naples, FL 34102-6601		Aloha Café 5555 Fifth Avenue South Naples, FL 34102-6601	
Server: Ned	12/06/2020	Server: Ned	12/06/2020
To Go	2:25 PM	To Go	2:25 PM
Guests: 2	3010048	Guests: 2	3010048
Pizza BYO Thin	12.50	Pizza BYO Thin	15.50
Medium Black Olives	0.75	Medium Black Olives	
Medium Green Peppers	0.75	Medium Green Peppers	
Medium Onion	0.75	Medium Onion	
Medium Mushroom	0.75	Medium Mushroom	
Pizza Meat Lovers	12.00	Pizza Meat Lovers	12.75
XT Italian Sausage	0.75	XT Italian Sausage	
Complete Subtotal	28.25	Complete Subtotal	28.25
Subtotal	28.25	Subtotal	28.25

Figure 9 Combine with Parent Item (Cleared - Left, Selected - Right)

9. Complete the **remaining options** as you would for any other item, as available.
10. Click **Save**.
11. Repeat this **procedure** for any other pizza topping, crust, and sauce item you offer.
12. Continue to the **next procedure**.

Creating pizza fraction items

Create an item for each pizza fraction you support. We recommend you use fractional identifiers, such as '1/4,' '1/3,' '1/2,' so the item stands out on the check. You can also configure pizza fraction items to reflect the specific location on the divided pizza. For example, if you support quarter fractions, you can configure and name the pizza fraction items as 'Top Left,' 'Bottom Left,' 'Top Right,' and 'Bottom Right' to further guide the order taker as to which part of the pizza to add a topping.

Do not specify a price for a pizza fraction item.

To create pizza fraction items:

In keeping with the sample pizza menu on [page 4](#), you would create the following pizza fraction items:

1/2	1/3	1/4
-----	-----	-----

If you do not support any or all of these fractions, do not create the pizza fraction item.

1. While still in Item Maintenance, select the **New** drop-down arrow, select **Standard**, and click **OK**.
2. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

The screenshot shows the 'Items' window with the 'Settings' tab selected. The item is '30058 1/2 PIZZA'. The 'Settings' section contains the following fields:

Number	30058
Type	Standard
Short name	1/2
Chit name	1/2
Chit name alternate	
Long name	1/2
Long name alternate	
Button image	None
Control name	
Ask for description	<input type="checkbox"/>
Sold as Family Style item	<input type="checkbox"/>
Export ID	0

The 'Assignments' section contains the following fields:

Tax group	None
Concept	None
Sales/retail category	PIZZA

The 'Advanced Pizza' section is collapsed.

Figure 10 Items - Item Tab (Pizza Fraction)

3. Type a **descriptive name** for the pizza fraction item, such as '1/2.'
4. Under the 'Assignments' group bar, select a **tax group** to assign to the item.
5. Select the **category** under which the pizza fraction resides, such as 'Food.'

The screenshot shows the 'Items' window with the 'Advanced Pizza' group bar expanded. The 'Advanced Pizza' section contains the following fields:

Topping	<input type="checkbox"/>
Pizza	<input type="checkbox"/>
Fraction	<input checked="" type="checkbox"/>
Fraction type	Half

The 'Fraction' checkbox is checked, and the 'Fraction type' is set to 'Half'.

Figure 11 Advanced Pizza Group Bar (Pizza Fraction)

6. Under the 'Advanced Pizza' group bar, select **Fraction** to indicate this item is a pizza fraction item.
7. Select the **fraction type** from the drop-down list to associate with the fraction item.
8. Complete the **remaining options** as you would for any other item, as available.
9. Click **Save**.
10. Repeat this **procedure** for any other pizza fraction you support.
11. Click **Close** to exit the **Items** function.

Creating price levels for pizza toppings

When priced, toppings add to the base price of the pizza menu item. You can price toppings in Item Maintenance; however, you provide optimal flexibility when pricing toppings with price levels. This is especially helpful when you have different priced toppings based on the size of the pizza and eliminates unnecessary database building.

A price level enables you to assign a common price to a group of items. Any time you have a group of like-priced items, you can use a price level to control prices for those items. For example, if the toppings on the medium sized pizzas are all \$0.75, you can create and assign the \$0.75 price level to each topping in the respective modifier group. Later, if you have to change the price of the toppings, change the price in one location and each item assigned to the price level changes accordingly.

To create a price level for a pizza topping:

In keeping with the sample pizza menu on [page 4](#), you would create the following price levels for the pizza toppings:

Small Topping (\$0.50)	Medium Topping (\$0.75)	Large Topping (\$1.00)
------------------------	-------------------------	------------------------

If you do not support any or all of these fractions, do not create the pizza fraction item.

1. Select **Maintenance > Pricing > Price Level**.
2. Click **New** and accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

The screenshot shows a 'Price Level' dialog box. At the top, there's a title bar 'Price Level' and a dropdown menu showing '10 Sm Topping'. Below this is a 'Price Level' label and a text field. The main area is divided into two sections: 'Identification' and 'Constraints'. The 'Identification' section has fields for 'Number' (10), 'Name' (Sm Topping), and 'Default price' (0.50). The 'Constraints' section has fields for 'Minimum price' (0.50) and 'Maximum price' (1.00).

Identification	
Number	10
Name	Sm Topping
Default price	0.50

Constraints	
Minimum price	0.50
Maximum price	1.00

Figure 12 Price Levels - Small Topping

3. Under the 'Identification' group bar, type a **descriptive name** for the price level, such as 'Sm Toppings.'
4. Type a **price** for the price level in 'Default Price.'
5. Under the 'Constraints' group bar, ensure the **Default price** is equal to or greater than the 'Minimum price' and equal to or less than the 'Maximum price.'
6. Click **Save**.
7. Repeat this **procedure** for each price level.
8. Click **Close** to exit the **Price Level** function.

Creating modifier groups for pizza toppings, crusts, and sauces

Once you add the required pizza topping, crust, and sauce items, and each price level, you must create one or more modifier groups. If all toppings share the same price, regardless of the size of the pizza, you can create a single modifier group containing everything; however, most restaurants for an advanced pizza environment charge a different price for a topping based on the size of the pizza. To do this, you must create a separate topping modifier group for each pizza size. For the sauce and crust choices, create a separate modifier group for each.

Minimum, maximum, and free requirements for pizza topping, crust and sauce

The minimum, maximum, and free requirements for the modifier groups depend on the number of choices on each pizza and you must create a separate modifier group for each

min/max/free configuration. For example, a 3-topping pizza would have a minimum of three toppings and allow three free toppings. A Build-Your-Own pizza or Supreme pizza would have a minimum of zero. The maximum number of toppings would be to your discretion. For a crust or sauce modifier group, you would have a minimum and maximum requirement of one.

Pricing pizza topping, crust, and sauce

When you price a modifier in Modifier Maintenance, you can enter a different price at the button level or accept the price defined for the item in Item Maintenance; however, in keeping with the example, we used price levels to price each pizza topping. Price the toppings as if they are whole toppings. When you enter an order for a topping in fractions, the system automatically discounts the price, based on the pizza portion pricing method.

To create a pizza topping modifier group:

In keeping with the sample pizza menu on [page 4](#), you would create the following topping modifier groups:

Pizza Toppings:

Sm Toppings	Sm Top Min3 (with 3 minimum required modifiers)
Med Toppings	Med Top Min3 (with 3 minimum required modifiers)
Large Toppings	Large Top Min3 (with 3 minimum required modifiers)

Crusts:

Pizza Crust (with 1 minimum required modifier)
--

Sauces:

Pizza Sauce (with 1 minimum required modifier)
--

1. Select **Maintenance > Menu > Modifier Groups**.
2. Select the **New** drop-down arrow, select **Standard**, and click **OK**.
3. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.
4. Type a **descriptive name** for the modifier group in 'Short name' and 'Long name,' such as 'Sm Toppings.'

5. Type the **minimum number of required modifiers** needed for the modifier group.
6. Type the **maximum number of modifiers** allowed for the modifier group.
7. Type the **number of free modifiers** you can enter from the modifier group before the system starts charging for a modifier.
8. Select **None** in 'Substitution group.'
9. Select the **Layout** tab.

Modifier Groups

Modifier Groups: 13100 Small Toppings

Modifier Layout

Beef 11805 \$0.50	Blk Olives 11865 \$0.50	
Canadian Bacon 11825 \$0.50	Green Peppers 11855 \$0.50	
Pepperoni 11815 \$0.50	Jalapenos 11890 \$0.50	
Sausage 11820 \$0.50	Mushrooms 11880 \$0.50	
	Red Onions 11850 \$0.50	
	Tomatoes 11875 \$0.50	

Modifier item

Item	Beef
Weight	1
Not eligible for substitution	<input type="checkbox"/>
Price method	Price level
Price level	Sm Topping

Page up ▲ Page down ▼ Sort ▲ Sort ▼ Consolidate

Activate W Go to Settings

Figure 13 Modifier Groups - Layout Tab (Sm Toppings)

10. Select an **available button** on the modifier group grid.
11. Under the 'Modifier item' group bar, select a **pizza topping item** to include in the modifier group from the 'Item' drop-down list.
12. Select **Price level** from the 'Pricing method' drop-down list.
13. Select the appropriate **price level** from the 'Price level' drop-down list.
14. Repeat **steps 9 through 12** until you include all the modifiers for the modifier group.
15. Click **Save**.

16. Repeat this **procedure** for any other modifier group you use for pizza.

17. Click **Close** and exit the **Modifier Groups** function.

After you create the modifier groups, attach them to the pizza menu items in Item Maintenance. You should only attach modifier groups to the pizza menu items.

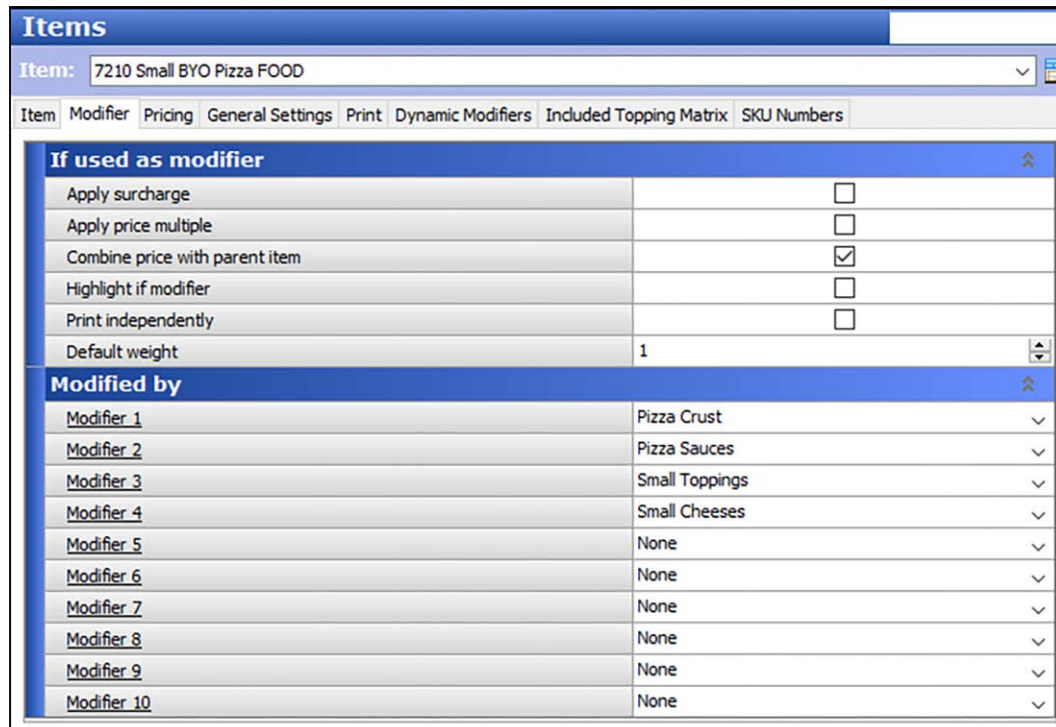
In keeping with the sample pizza menu on [page 4](#), you would attach the following modifier groups to the pizza items:

Pizza Menu Item	Modifier 1	Modifier 2	Modifier 3
BYO Small	Pizza Crust	Pizza Sauce	Sm Toppings
BYO Medium	Pizza Crust	Pizza Sauce	Med Toppings
BYO Large	Pizza Crust	Pizza Sauce	Lg Toppings
Supreme Small	Pizza Crust	Pizza Sauce	Sm Toppings
Supreme Medium	Pizza Crust	Pizza Sauce	Med Toppings
Supreme Large	Pizza Crust	Pizza Sauce	Lg Toppings
Meat Lovers Small	Pizza Crust	Pizza Sauce	Sm Toppings
Meat Lovers Medium	Pizza Crust	Pizza Sauce	Med Toppings
Meat Lovers Large	Pizza Crust	Pizza Sauce	Lg Toppings
3-Topping Small	Pizza Crust	Pizza Sauce	Sm Top Min3
3-Topping Medium	Pizza Crust	Pizza Sauce	Med Top Min3
3-Topping Large	Pizza Crust	Pizza Sauce	Lg Top Min3

To attach a modifier group to a pizza menu item:

1. Select **Maintenance > Menu > Items**.
2. Select the **pizza item** from the drop-down list.

3. Select the **Modifier** tab.



If used as modifier	
Apply surcharge	<input type="checkbox"/>
Apply price multiple	<input type="checkbox"/>
Combine price with parent item	<input checked="" type="checkbox"/>
Highlight if modifier	<input type="checkbox"/>
Print independently	<input type="checkbox"/>
Default weight	1

Modified by	
Modifier 1	Pizza Crust
Modifier 2	Pizza Sauces
Modifier 3	Small Toppings
Modifier 4	Small Cheeses
Modifier 5	None
Modifier 6	None
Modifier 7	None
Modifier 8	None
Modifier 9	None
Modifier 10	None

Figure 14 Items - Modified By Group Bar - BYO Small Pizza

4. Select the **crust modifier group** from the 'Modifier 1' drop-down list.
5. Select the **sauce modifier group** from the 'Modifier 2' drop-down list.
6. Select the **topping modifier group** that matches the size of the corresponding size of the pizza item from the 'Modifier 3' drop-down list. For example, if this is a 'BYO Pizza Sm,' then attach 'Sm Toppings.'
7. Select the **cheese modifier group** from the 'Modifier 3' drop-down list.
8. Click **Save**.
9. Repeat **this procedure** until all pizza items have the correct modifier groups attached.
10. Click **Save** and exit the **Items** function.

Configuring included modifiers

A powerful feature in the Aloha system is 'Included Modifiers,' which use a graphic or specific color on the modifier button to help the server easily identify the modifiers that are included with an item. This provides a visual indication of the default items that the guest can modify and also helps prevent the sending of confusing or incorrect orders to the kitchen. For example, if the guest orders a Supreme pizza with sausage, which already comes on the pizza, the server can easily see that sausage is an included modifier and determine it is unnecessary to add sausage to the pizza.



Reference: Refer to the Included Modifiers Feature Focus Guide for more information.

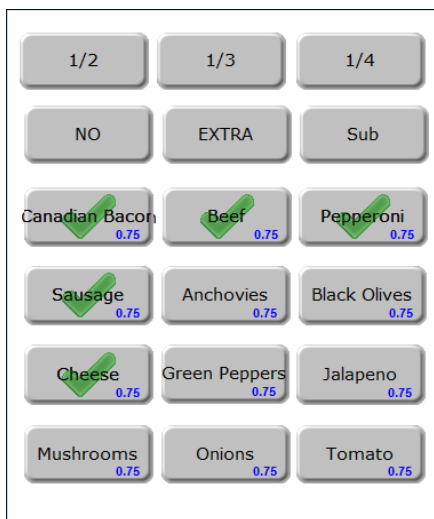


Figure 15 Included Modifiers on the FOH Modify Screen

To activate the Included Modifiers functionality:

1. Select **Maintenance > Business > Store**.
2. Select the **Store Settings** tab.

3. Select the **User Interface group** located at the bottom of the screen.

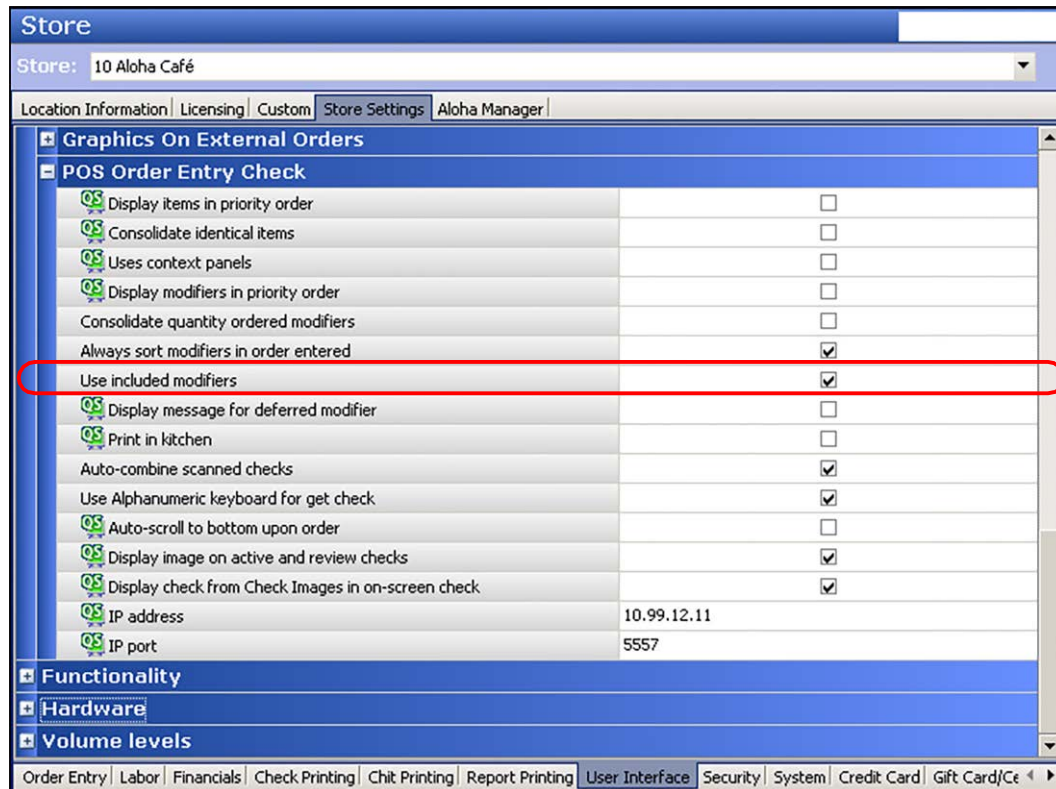


Figure 16 Store Settings Tab - User Interface Group

4. Under the 'POS Order Entry Check' group bar, select **Use included modifiers**.
5. Click **Save** and exit the **Stores** function.

To attach an image to the included modifier code:

1. Select **Maintenance > Menu > Modifier Codes**.
2. Select **202 Included** from the drop-down list.

Modifier Codes

Modifier Code: 202 Included

Settings

Number	202
Description	Included
Display name	Included
Active	<input type="checkbox"/>
Indicator	INCL
Quantity	1
Display graphical modifier image	mbGCheckM
Use graphical modifier color	<input type="checkbox"/>
Used in pizza matrix	<input type="checkbox"/>

Figure 17 Modifier Code - Included

3. Select the **image to indicate an included modifier** from the 'Display graphical modifier image' drop-down list.
4. Click **Save**.
5. Repeat this **procedure** for each modifier code you want to display a graphical modifier image.
6. Exit the **Modifier Codes** function.

To configure included modifiers for a pizza item:

In keeping with the sample pizza menu on [page 4](#), you would configure the following pizza toppings as included modifiers for the corresponding pizza menu items:

Pizza Menu Item	Included Modifiers
Supreme Sm	Pepperoni, Green Peppers, Black Olives, Sausage, Mushrooms, Cheese
Supreme Med	Pepperoni, Green Peppers, Black Olives, Sausage, Mushrooms, Cheese
Supreme Lg	Pepperoni, Green Peppers, Black Olives, Sausage, Mushrooms, Cheese
Meat Lovers Sm	Beef, Canadian Bacon, Pepperoni, Sausage, Cheese
Meat Lovers Med	Beef, Canadian Bacon, Pepperoni, Sausage, Cheese
Meat Lovers Lg	Beef, Canadian Bacon, Pepperoni, Sausage, Cheese

1. Select **Maintenance > Menu > Items**.
2. Select a **pizza item** from the drop-down list.

3. Select the **Dynamic Modifiers** tab.

The screenshot shows the 'Items' application interface. At the top, the 'Item' field is set to '7235 Small Supreme FOOD'. Below this, there are several tabs: 'Item', 'Modifier', 'Pricing', 'General Settings', 'Print', 'Dynamic Modifiers' (which is selected), 'Included Topping Matrix', and 'SKU Numbers'. The 'Dynamic Modifiers' tab displays a table with the following columns: 'Modifier Group', 'Modifier Item', 'Included', 'Auto Add', 'Substitution ch...', and 'Takeout checklist'. The table contains several rows of toppings, with the first row 'Small Toppings' and 'Pepperoni' selected. To the right of the table, there are buttons for 'Add', 'Remove', 'Move up', and 'Move down', along with a 'Modifier Group' link.

Modifier Group	Modifier Item	Included	Auto Add	Substitution ch...	Takeout checklist
Small Toppings	Pepperoni	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Green Peppers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Black Olives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Sausage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Mushrooms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Jalapenos	<input type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Tomatoes	<input type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>
Small Toppings	Red Onions	<input type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>

Figure 18 Items - Dynamic Modifiers Tab

4. Click **Add**.
5. Select the **topping modifier group** from the 'Modifier Group' drop-down list. This is the same modifier group attached to the item on the Modifier tab.
6. Select a **topping that is included on the pizza** from the 'Modifier Item' drop-down list.
7. Select **Included**.
8. Repeat **steps 4 through 7** for each topping that is included on the pizza menu item.
9. Click **Save**.
10. Repeat this **procedure** for each pizza item for which to configure included modifiers.
11. Exit the **Items** function.

You can configure the system to adjust the pricing when you replace an included topping with an add-on topping. When you remove an included topping from a pizza, and add one or more toppings, the system determines the price difference between the included topping that was removed, and the topping(s) you add, and adjusts the price accordingly. You can define if the system uses the original higher price of the included modifier or the price of the add-on topping, if lower.

To define rules regarding price differences when substituting an included modifier with another modifier:

1. Select **Maintenance > Menu > Items**.
2. Select a **pizza menu item** from the drop-down list.
3. Select the **Dynamic Modifiers** tab [\(Figure 18\)](#).
4. Click **Add**.
5. Select the **topping modifier group** from the 'Modifier Group' drop-down list. This is the same modifier group attached to the item on the Modifier tab.
6. Select a **topping that is included on the pizza** from the 'Modifier Item' drop-down list.
7. Under the 'Substitution Charge' column, select **None** to specify the included modifier cannot be substituted for another modifier from the same modifier group.

-OR-

Select **No charge** to specify the included modifier can be substituted for another modifier from the same modifier group at no charge.

-OR-

Select **Charge difference** to specify the included modifier can be substituted for another modifier from the same modifier group and charge the difference between the two modifiers.

8. Repeat **steps 4 through 7** for each topping that is included on the pizza menu item.
9. Click **Save**.
10. Repeat this **procedure** for each pizza item for which to configure included modifiers.
11. Exit the **Items** function.

To configure the ability to replace an included topping with an add-on topping:

1. Select **Maintenance > Business > Store**.
2. Select the **Store Settings** tab.
3. Select the **Order Entry group** located at the bottom of the screen.

Store

Store: 106 Aloha Cafe

Location Information Licensing Custom **Store Settings** Aloha Manager

Guest Count

Tabs and tables

Transfers

Screen settings

Pizza

Pizza category	None
Left half	None
Right half	None
Whole pizza included modifier substitution rules	Least expensive modifier gets substituted
Portion pricing	Percentage
Percentage price for half toppings	50.0000
Screen flow follows modifier group setup	<input checked="" type="checkbox"/>

Liquor Memberships

Club Members

Advanced orders

Order Entry Labor Financials Check Printing Chit Printing Report Printing User Interface Security System Delivery Gif < >

Figure 19 Store Settings - Order Entry Group

- Under the 'Pizza' group bar, select either **Least expensive modifier gets substituted** or **Up to the value of the removed modifier** from the 'Whole pizza included modifier substitution rules' drop-down list.
- Click **Save** and exit the **Stores** function.

Configuring modifier code percentages for half toppings and extra toppings

Typically, modifier codes, such as No, Extra, and more, are already set up and in use for non-pizza items. You can leverage these modifier codes to use with Advanced Pizza. You can use up to four modifier codes. Here you also attach the graphical modifier image to the respective modifier code. For example, when you apply the No code to a modifier, you can display a separate graphic on the topping button to indicate the topping is omitted from the pizza.

In keeping with the sample pizza menu, there is a charge at 50% (half the topping price) if you apply 'Extra' to an included topping and a charge at 150% (1 1/2 the topping price) if you apply 'Extra' to a non-included topping. If this pricing structure does not apply to the non-pizza items, you can create a copy of a modifier code specifically for pizza.

To configure a modifier code for advanced pizza:

In keeping with the sample pizza menu on [page 4](#), you would create or adjust the following modifier codes:

- No (with 'No' graphical modifier image)
 - Extra (with 'Extra' graphical modifier image and 150% for non-included toppings and 50% for included toppings).
1. Select **Maintenance > Menu > Modifier Codes**.
 2. Select a **modifier code**, such as 'Extra,' from the drop-down list.

The screenshot shows the 'Modifier Codes' configuration window. At the top, there is a search bar with '3 EXTRA' entered. Below this is a table with three main sections: Settings, Video options, and Pricing.

Settings		
Number	3	...
Description	EXTRA	
Display name	EXTRA	
Active		<input checked="" type="checkbox"/>
Indicator	XT	
Quantity	1	
Display graphical modifier image	mbExtra	
Use graphical modifier color		<input type="checkbox"/>
Used in pizza matrix		<input type="checkbox"/>
Video options		
Video color	Green	
Intensify		<input checked="" type="checkbox"/>
Reverse		<input type="checkbox"/>
Blink		<input type="checkbox"/>
Pricing		
Affects pricing		<input checked="" type="checkbox"/>
Charge X percent	150	
Charge X percent if included	50	

Figure 20 Modifier Codes - Extra

3. Under the 'Settings' group bar, select the **image** from the 'Display graphical modifier image' drop-down list, if needed.
4. Under the 'Pricing' group bar, select **Affects pricing**.
5. Type how much to **charge when you apply this modifier code to a non-included topping** in 'Charge X percent.' For example, if a pizza includes Pepperoni, but the guest wants double jalapeños, you can charge the price and plus a half; type '150.'
6. Type how much to **charge when you apply this modifier code to an included topping** in 'Charge X percent if included.' For example, if a pizza includes red onions, and the guest wants green peppers; you can charge 50%; type '50.'

7. Click **Save**.
8. Repeat this **procedure** for any other modifier code you determine needs to affect the price of the modifier.
9. Exit the **Modifier Codes** function.

Pricing pizzas with fractional toppings

When you add toppings to a pizza in fractions, the system determines how to calculate the price of each topping based on the pizza portion pricing method configured in Maintenance > Store Settings > Order Entry group > Pizza group bar. Keep in mind a base topping is not fractional. Use the following examples to understand how the system calculates the pricing for each pizza portion pricing method:

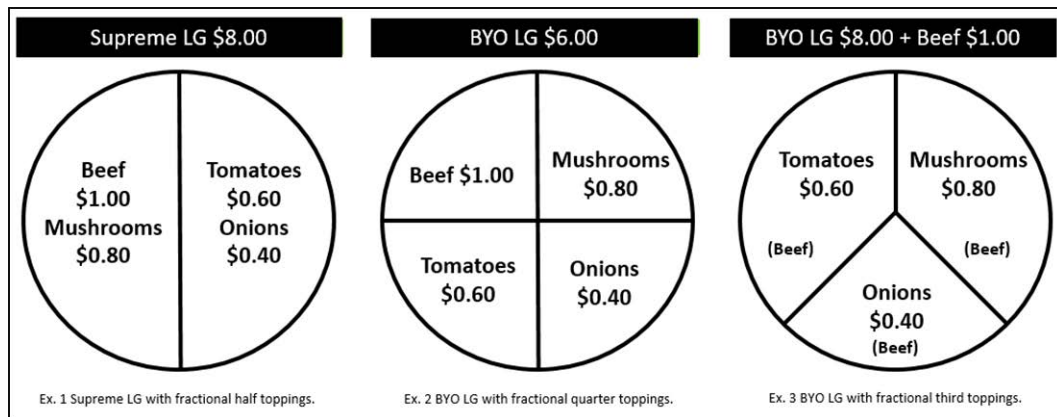


Figure 21 Fractional Topping Examples

Percentage pricing

Prices each pizza fraction based on a percentage of the base topping price. Apply 50% to each of the examples:

Examples	Calculation
Ex1: Supreme LG with fractional half toppings	Calculates $\$8.00 + [(\$1.00 + \$0.80 + \$0.60 + \$0.40) \times 0.50] = \9.40 .
Ex2: BYO LG with fractional quarter toppings	Calculates $\$6.00 + [(\$1.00 + \$0.80 + \$0.60 + \$0.40) \times 0.50] = \7.40 .
Ex3: BYO LG with fractional third toppings and one base topping (beef)	Calculates $\$6.00 + \$1.00 + [(\$0.80 + \$0.60 + \$0.40) \times 0.50] = \7.90 .

Average pricing

Prices pizza fractions based on the average of the combined price of the pizza fraction.

Examples	Calculation
Ex1: Supreme LG with fractional half toppings	Calculates $\$8.00 + [(\$1.00 + \$0.80 + \$0.60 + \$0.40) / 2] = \9.40 .
Ex2: BYO LG with fractional quarter toppings	Calculates $\$6.00 + [(\$1.00 + \$0.80 + \$0.60 + \$0.40) / 4] = \6.70 .
Ex3: BYO LG with fractional third toppings and one base topping (beef)	Calculates $\$6.00 + \$1.00 + [(\$0.80 + \$0.60 + \$0.40) / 3] = \7.60 .

Higher fraction charged

Charges the price of the higher priced pizza fraction only. The remaining fractional toppings are free.

Examples	Calculation
Ex1: Supreme LG with fractional half toppings	Calculates $\$8.00 + \$1.00 + \$0.80 = \9.80 . Tomatoes and Onions are not charged.
Ex2: BYO LG with fractional quarter toppings	Calculates $\$6.00 + \$1.00 = \$7.00$. Mushrooms, Tomatoes, and Onions are not charged.
Ex3: BYO LG with fractional third toppings and one base topping (beef)	Calculates $\$6.00 + \$1.00 + \$0.80 = \7.80 . Tomatoes and Onions are not charged.

Whole price for topping

Charges fully for each topping and gives no discount.

Examples	Calculation
Ex1: Supreme LG with fractional half toppings	Calculates $\$8.00 + \$1.00 + \$0.80 + \$0.60 + \$0.40 = \10.80 .
Ex2: BYO LG with fractional quarter toppings	Calculates $\$6.00 + \$1.00 + \$0.80 + \$0.60 + \$0.40 = \8.80 .
Ex3: BYO LG with fractional third toppings and one base topping (beef)	Calculates $\$6.00 + \$1.00 + \$0.80 + \$0.60 + \$0.40 = \8.80 .

To configure pricing for fractional toppings at the global level:

1. Select **Maintenance > Business > Store**.
2. Select the **Store Settings** tab.
3. Select the **Order Entry** group at the bottom of the screen.

The screenshot shows the 'Store' settings window for '1 Aloha Café'. The 'Store Settings' tab is active. The 'Order Entry' group is selected at the bottom. Within this group, the 'Pizza' section is expanded, showing options like 'Pizza category', 'Left half', 'Right half', 'Whole pizza included modifier substitution rules', 'Portion pricing', 'Percentage price for half toppings', and 'Screen flow follows modifier group setup'. The 'Portion pricing' dropdown is set to 'Percentage', and the 'Percentage price for half toppings' is set to '50.0000'. A red circle highlights the 'Portion pricing' dropdown and the 'Percentage price for half toppings' field.

Figure 22 Store Settings Tab - Order Entry Group

4. Under the 'Pizza' group bar, select the **portion pricing method** from the 'Portion pricing' drop-down list.
5. If you select 'Percentage' from 'Portion pricing,' type the **percentage** you want to charge in 'Percentage price for half toppings.'
6. Click **Save** and exit the **Stores** function.

Designing front-of-house (FOH) screens for fractional toppings

For Advanced Pizza, you cannot use the classic submenu and modifier panels that come by default in the system and you must design and use custom submenu and modifier panels in Screen Designer. Once created, you then attach them to the 'classic' submenu and modifier panels, as you will learn in ["Attaching custom panels to submenus and modifier groups" on page 47](#).

With the proper implementation, you can design the FOH screens for advanced pizza in such a way that resembles the typical Aloha Table Service flow with the following functionality in mind:

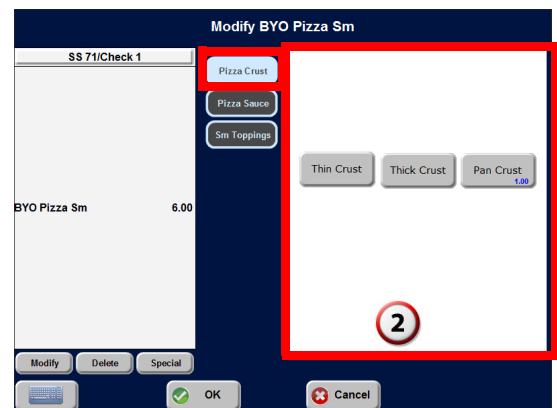
- Ease of order entry.
- Flow and consistency.
- Alleviate pitfalls in order entry.

Here is an overview of how you should design the screens. If there is an element for which you do not offer a choice, such as a sauce choice, you do not need to create the panel.

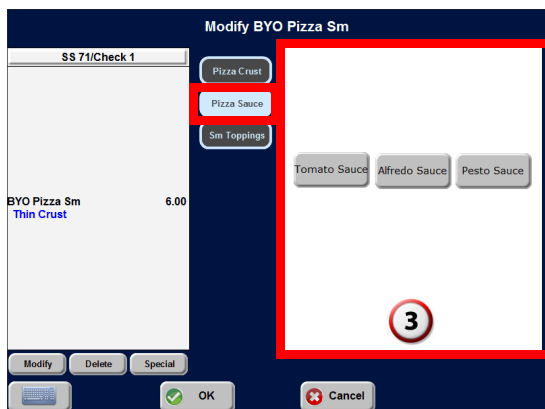
- 1 Create a Pizza submenu panel containing the pizza menu items, using smart items and smart select buttons.



- 2 Create a crust modifier panel containing the pizza crust choices.



- 3 Create a sauce modifier panel containing the pizza sauce choices.



- 4 Create topping modifier panels, by pizza size, containing the pizza topping choices.



Figure 23 Panel Construction in Screen Designer Overview

Creating a custom submenu panel for pizza items

You must place all pizza menu items on a custom submenu panel, rather than using a classic submenu. Using a custom submenu panel, you can add color to buttons, resize buttons to your liking, and also use smart item and smart select buttons for the different size pizzas. Once you create the custom submenu panel, you attach the panel to a submenu in Submenu Maintenance.

In keeping with the sample pizza menu on [page 4](#), you need to perform the following:

- Create a custom submenu panel for advanced pizza.
- Add smart select buttons for pizza menu items.
- Add smart item buttons for pizza menu items.



Tip: Refer to RKS ID 9176 for further instructions on configuring and using smart item and smart select buttons.

To create a custom submenu panel for advanced pizza:

1. Select **Maintenance > Screen Designer > Table Service Screen Designer**.
2. Select **Work with Panels**.
3. Select **Panel > New Submenu Panel**. The Properties dialog box appears.

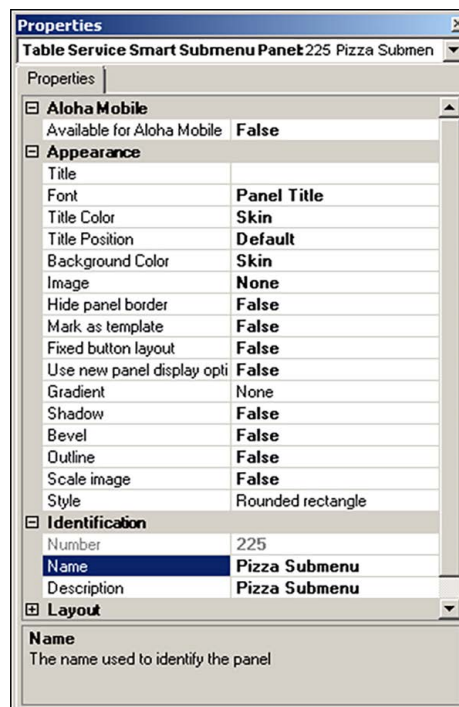


Figure 24 New Submenu Panel - Pizza Submenu

4. Under the 'Identification' group bar, click the **ellipses button (...)** and assign a **new number** for the panel ID.
5. Type a **descriptive name** for the panel, such as 'Pizza Submenu.'
6. Continue to the **next procedure**.

To add smart select buttons to the pizza submenu panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.

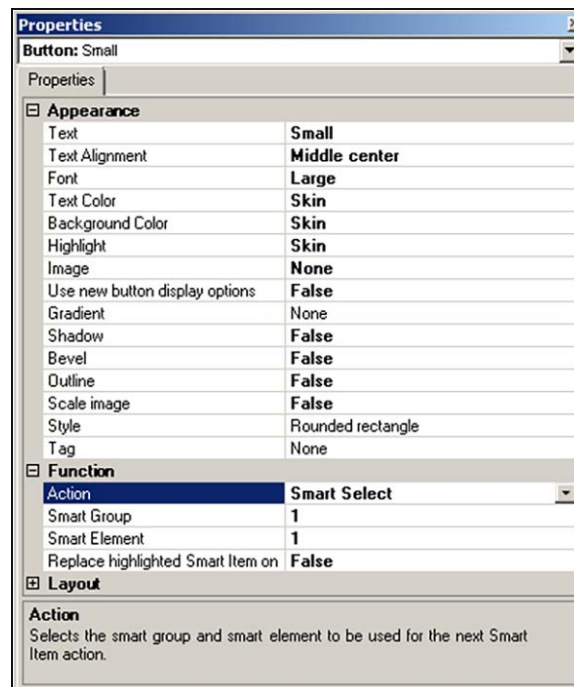


Figure 25 Button Properties - Smart Select

2. Under the 'Function' group bar, select **Smart Select** from the 'Action' drop-down list.
3. Type **1** in 'Smart Group.'
4. Type **1** in 'Smart Element.'
5. Under 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Small.'
6. Select **Panel > New Button**.
7. Under the 'Function' group bar on the Properties dialog box, select **Smart Select** from the 'Action' drop-down list.
8. Type **1** in 'Smart Group.'
9. Type **2** in 'Smart Element.'

10. Under the 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Medium.'
11. Select **Panel > New Button**.
12. Under the 'Function' group bar on the Properties dialog box, select **Smart Select** from the 'Action' drop-down list.
13. Type **1** in 'Smart Group.'
14. Type **3** in 'Smart Element.'
15. Under the 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Large.'
16. Continue to the **next procedure**.

To add smart item buttons to the pizza submenu panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.

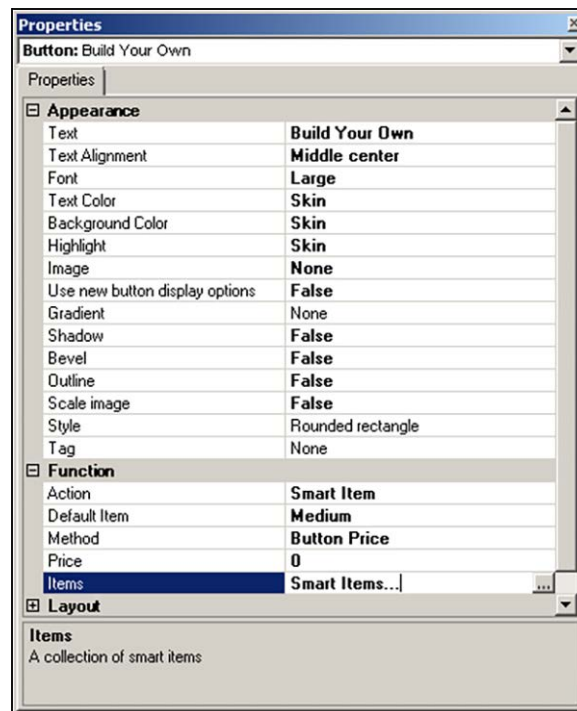


Figure 26 Button Properties - Smart Item

2. Under the 'Function' group bar, select **Smart Item** from the 'Action' drop-down list.
3. Select the **item to use as the default** when you select the pizza item without first touching a size, in 'Default item.' This is usually the most ordered size of the respective pizza item, such as 'Med.'

4. Click the **Ellipses button (...)** in the 'Items' text box to open the **Select Smart Items** dialog box.

Group	Element	Item	Price Method	Price	Price Level
1	1	30804 BYO Pizza Sm	Button Price	0.00	
1	2	30805 BYO Pizza Medium	Button Price	0.00	
1	3	30806 BYO Pizza Large	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	
		0 None	Button Price	0.00	

Figure 27 Select Smart items Dialog Box - BYO Pizza Example

5. Type **1** in the first 'Group' text box.
6. Type **1** in the first 'Element' text box.
7. Select the **pizza item** that you want to order with the corresponding smart select button from the first 'Item' drop-down list.
8. Select **Button Price** from the 'Price Method' drop-down list.
9. Type **1** in the second 'Group' text box.
10. Type **2** in the second 'Element' text box.
11. Select the **pizza item** that you want to order with the corresponding smart select button from the second 'Item' drop-down list.
12. Select **Button Price** from the 'Price Method' drop-down list.
13. Type **1** in the third 'Group' text box.
14. Type **3** in the third 'Element' text box.
15. Select the **pizza item** that you want to order with the corresponding smart select button from the third 'Item' drop-down list.
16. Select **Button Price** from the 'Price Method' drop-down list.
17. Click **OK** to exit the **Select Smart Items** dialog box.

18. Under the 'Appearance' group bar, type a **descriptive name** for the button, such as 'Build Your Own.'

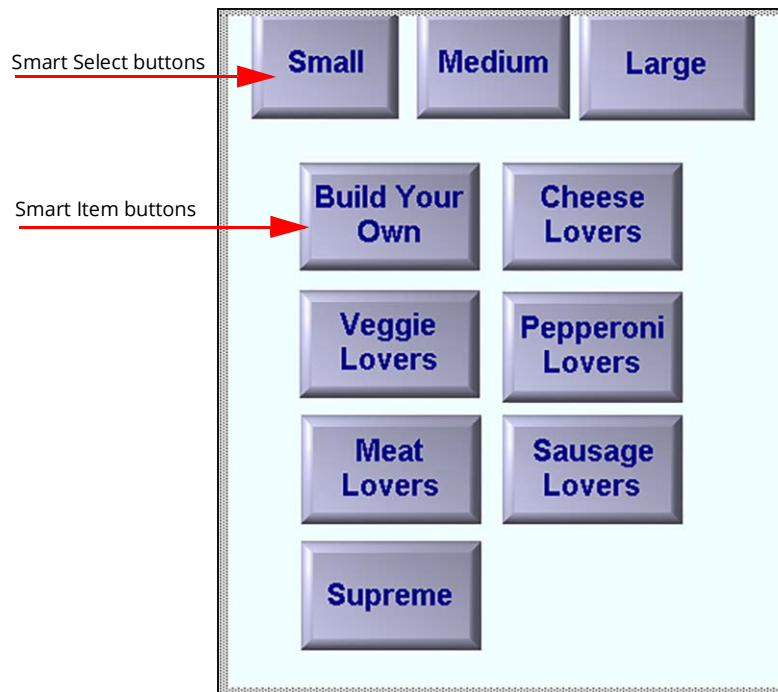


Figure 28 Submenu Panel with Smart Select and Smart Item Pizza Items

19. Repeat this **procedure** for each pizza item you want to add to the pizza submenu panel.

20. Select **Panel > Save Panel** and exit **Table Service Screen Designer**.

Creating a custom modifier panel for pizza toppings, crusts, and sauces

You must place all pizza toppings, pizza crusts, and pizza sauces on a custom modifier panel, rather than using a classic modifier panel. Create a separate modifier panel for the pizza toppings, another for the pizza crusts, and another for the pizza sauces, if you offer choices for each. Using a custom modifier panel, you can add color to buttons and resize buttons to your liking. Once you create the custom modifier panels, you attach the panel to a modifier group in Modifier Group Maintenance.

In keeping with the sample pizza menu on [page 4](#), you need to perform the following:

- Create a custom modifier panel for pizza toppings.
- Create a custom modifier panel for pizza crusts.
- Create a custom modifier panel for pizza sauces.

Creating pizza toppings modifier panel

For the pizza toppings modifier panel, you must place all toppings and fraction buttons on the same panel. To create a pizza toppings modifier panel, perform the following:

- Create a custom modifier panel for pizza toppings.
- Add pizza fractions to pizza toppings modifier panel.
- Add modifier codes to pizza toppings modifier panel.
- Add topping buttons to pizza toppings modifier panel.

To create a custom modifier panel for pizza toppings:

1. Select **Panel > New Submenu Panel**. The Properties dialog box appears.

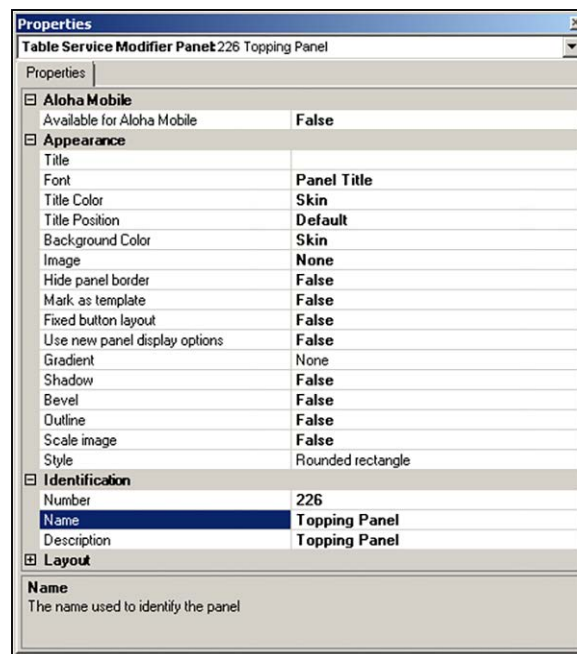


Figure 29 Modifier Panel Properties Dialog Box

2. Under the 'Identification' group bar, click the **ellipses button** and assign a **new number** for the panel ID.
3. Type a **descriptive name** for the panel, such as 'Topping Panel.'
4. Continue to the **next procedure**.

To add pizza fraction buttons to the topping panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.
2. Under the 'Function' group bar, select **Fraction** from the 'Action' drop-down list.

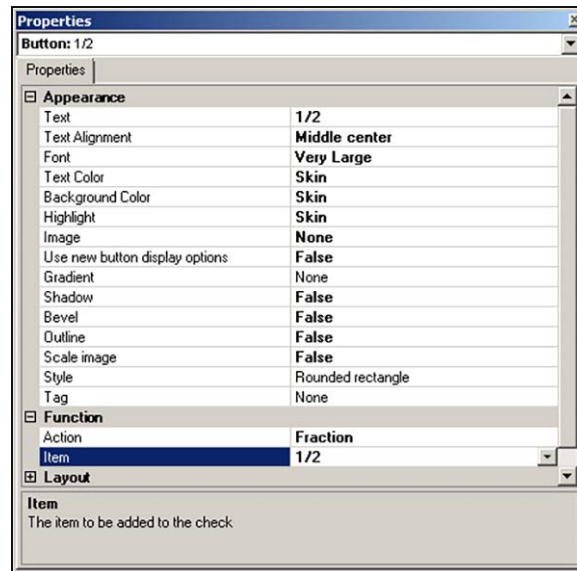


Figure 30 Button Properties Dialog Box - Fraction

3. Select the **appropriate fraction**, such as '1/2,' from the 'Item' drop-down list.

- Under the 'Appearance' group bar, type the **name of the fraction**, such as '1/2.'

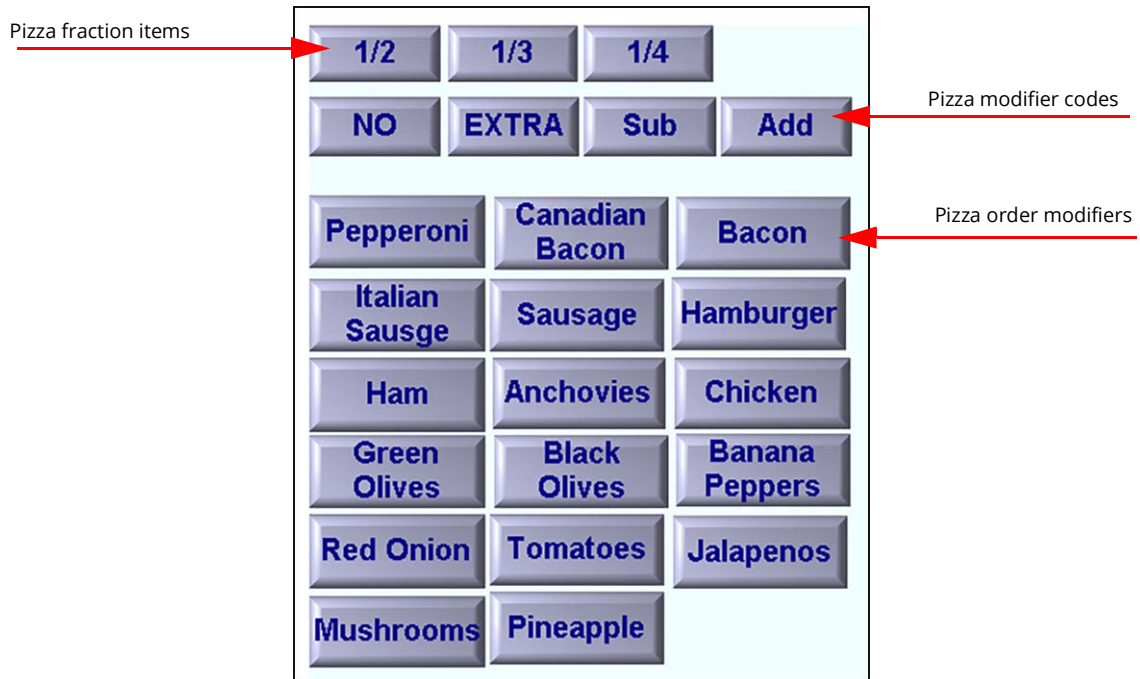


Figure 31 Fraction Buttons on a Modifier Panel

- Repeat this **procedure** for each pizza fraction you want to add to the topping panel.
- Continue to the **next procedure**.

To add modifier code buttons to the topping panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.
2. Under the 'Function' group bar, select **Modifier Code** from the 'Action' drop-down list.

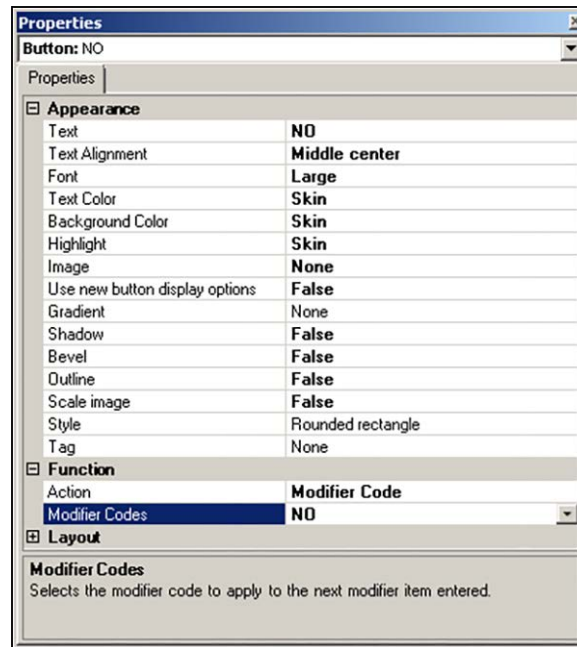


Figure 32 Properties Dialog Box - Modifier Code

3. Select the **modifier code** from the 'Modifier Codes' drop-down list.
4. Under the 'Appearance' group bar, type the **name** of the modifier code, such as 'NO.'
5. Repeat this **procedure** for each modifier code you want to add to the topping panel.
6. Continue to the **next procedure**.

To add pizza topping buttons to the topping panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.
2. Under the 'Function' group bar, select **Order Modifier** from the 'Action' drop-down list.

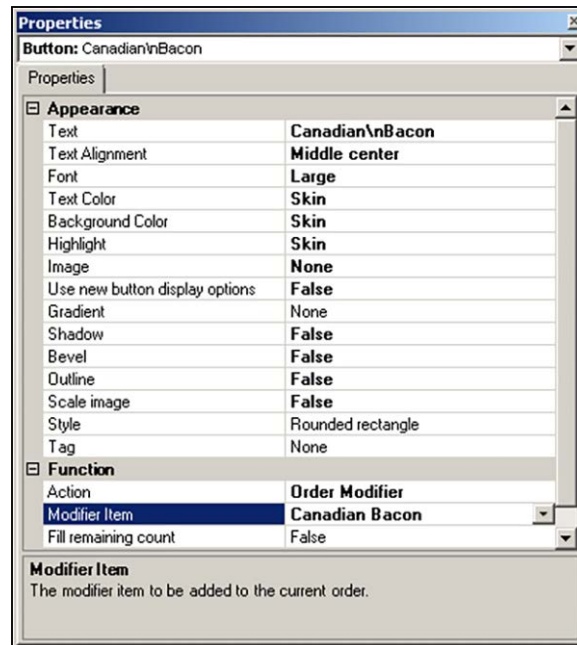


Figure 33 Properties Dialog Box - Toppings

3. Select the **pizza topping**, such as 'Canadian Bacon,' from the 'Modifier Item' drop-down list.
4. Under the 'Appearance' group bar, type the **name** of the pizza topping.
5. Repeat this **procedure** for each pizza topping you want to add to the topping panel.
6. Continue to the **next procedure**.

Creating pizza crusts panel

To create the pizza crusts panel, perform the following:

- Create a custom modifier panel for pizza crusts.
- Add the pizza crusts to pizza crusts panel.

To create a custom modifier panel for pizza crusts:

1. Select **Panel > New Submenu Panel**. The Properties dialog box appears.

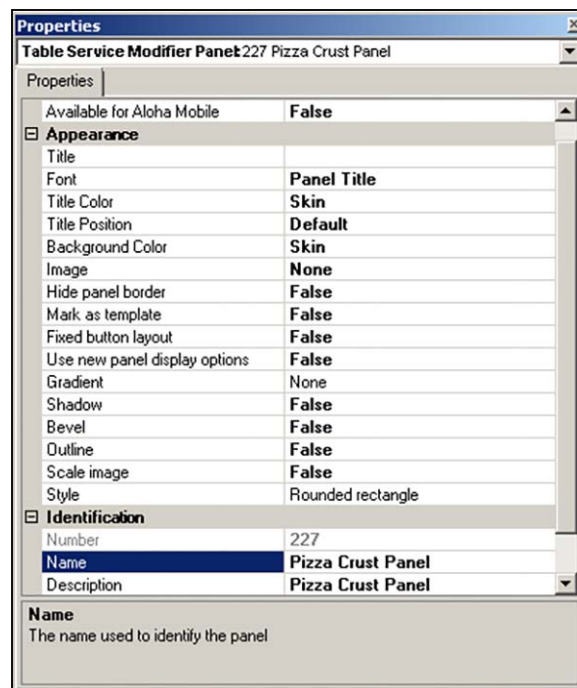


Figure 34 Modifier Panel Properties Dialog Box (Crust)

2. Under the 'Identification' group bar, click the **ellipses button** and assign a **new number** for the panel ID.
3. Type a **descriptive name** for the panel, such as 'Pizza Crust Panel.'
4. Continue to the **next procedure**.

To add pizza crust buttons to the pizza crust panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.
2. Under the 'Function' group bar, select **Order Modifier** from the 'Action' drop-down list.

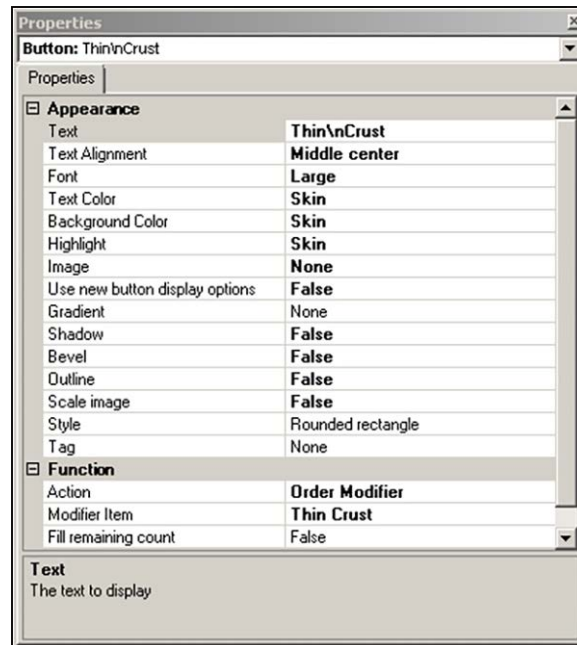


Figure 35 Modifier Panel Properties Dialog Box (Crust)

3. Select a **pizza crust** from the 'Modifier Item' drop-down list.

4. Under the 'Appearance' group bar, type the **name** of the pizza crust.



Figure 36 Pizza Crust Modifier Panel

5. Repeat this **procedure** for each pizza crust you want to add to the pizza crust panel.
6. Continue to the **next procedure**.

Creating a pizza sauces panel

To create a pizza sauces panel, perform the following:

- Create a custom modifier panel for pizza sauces.
- Add pizza sauces to pizza sauces panel.

To create a custom modifier panel for pizza sauces:

1. Select **Panel > New Submenu Panel**. The Properties dialog box appears.

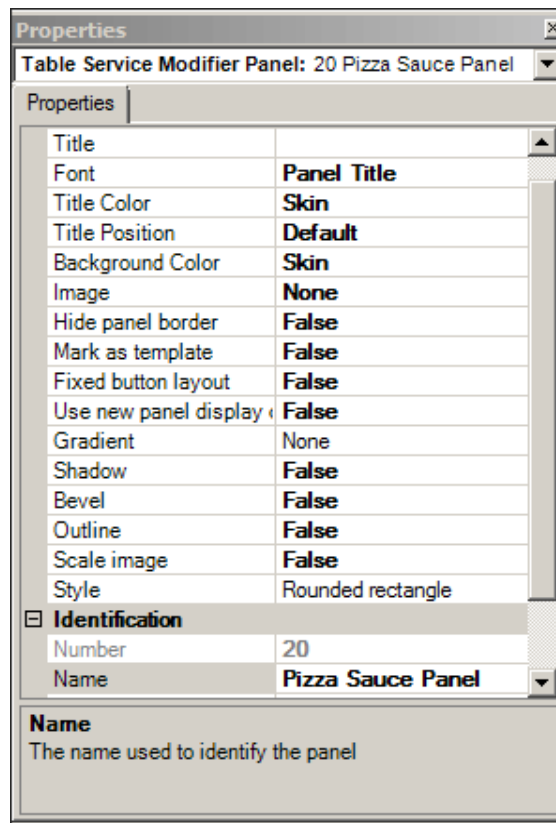


Figure 37 Modifier Panel Properties Dialog Box (Sauce)

2. Under the 'Identification' group bar, click the **ellipses button** and assign a **new number** for the panel ID.
3. Type a **descriptive name**, such as 'Pizza Sauce Panel,' for the panel.
4. Continue to the **next procedure**.

To add pizza sauce buttons to the pizza sauce panel:

1. Right-click the panel and select **New Button**. The Properties dialog box appears.
2. Under the 'Function' group bar, select **Order Modifier** from the 'Action' drop-down list.

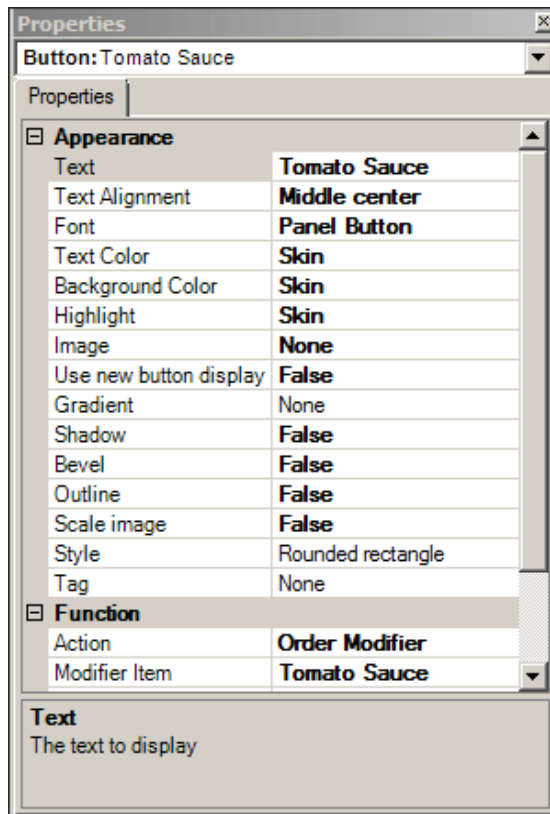


Figure 38 Properties Dialog Box - Sauce Item

3. Select a **pizza sauce** from the 'Modifier Item' drop-down list.

- Under the 'Appearance' group bar, type the **name** of the pizza sauce.



Figure 39 Pizza Sauce Modifier Panel

- Repeat this **procedure** for each pizza sauce you want to add to the pizza sauce panel.
- Click **Panel > Save Panel** and exit **Table Service Screen Designer**.

Attaching custom panels to submenus and modifier groups

After you create custom panels in Screen Designer as instructed in the previous section, you must attach the custom panels to the corresponding submenu and modifier groups so the system replaces the 'classic' look of the screens with the custom panels and the necessary functionality.

When working with a custom submenu panel, the system uses the order items you place on the custom submenu panel to override items on the 'classic' submenu; it is not necessary to add items to the 'classic' submenu as you do for a non-custom panel in Table Service. When working with a custom modifier panel, you must place the modifier on a modifier group in Modifier Group Maintenance.

In keeping with the sample pizza menu on [page 4](#), you would perform the following:

Attach this custom Submenu or Modifier Panel...	... to this 'Classic' Submenu or Modifier Group
Pizza Submenu panel	Pizza submenu
Topping panel	Sm Toppings modifier group
Topping panel	Med Toppings modifier group
Topping panel	Lg Toppings modifier group
Topping panel	Sm Top Min3 modifier group
Topping panel	Med Top Min3 modifier group
Topping panel	Lg Top Min3 modifier group
Pizza Crust panel	Pizza Crust modifier group
Pizza Sauce panel	Pizza Sauce modifier group

To attach a custom submenu panel to a submenu:

1. Select **Maintenance > Menu > Submenu**.
2. Click **New** and accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

The screenshot shows the 'Submenus' form. At the top, there's a 'Submenus:' dropdown with '20 Pizza' selected. Below it is a 'Submenu' field. The 'Settings' section contains several fields: 'Number' (20), 'Short name' (Pizza), 'Long name' (Pizza), 'Exception modifier group' (Food), 'Submenu panels' (Pizza Main Menu), and 'Allow auto menu overwrite' (unchecked). The 'Submenu panels' field is highlighted with a red circle, indicating it's the focus of the instruction.

Figure 40 Submenu with a Custom Submenu Panel

3. Type a **descriptive short name** for the submenu, such as 'Pizza.'
4. Type a **descriptive long name** for the submenu, such as 'Pizza.'
5. Select the **submenu panel** you created in Screen Designer from the 'Submenu panels' drop-down list.
6. Click **Save** and exit the **Submenus** function.

To attach the custom modifier panel to a modifier group:

1. Select **Maintenance > Menu > Modifier Groups**.
2. Select the **modifier group** you created for the toppings, crusts, or sauces from the drop-down list.

The screenshot shows the 'Modifier Groups' interface. At the top, there's a header 'Modifier Groups' and a dropdown menu showing '13100 Small Toppings'. Below this are two tabs: 'Modifier' and 'Layout'. The 'Settings' tab is selected, displaying a table of settings for the chosen modifier group. The settings include fields for Number, Short name, Long name, Type, Minimum, Maximum, Free, Substitute group, and several checkboxes for 'Screen flow required', 'Exempt bartenders from flow', 'Refill', 'Remove special message button', 'Show required modifier countdown', and 'Hide price'. The 'Modifier panels' setting at the bottom is circled in red, showing a dropdown menu with 'SML Toppings' selected.

Settings	
Number	13100
Short name	Small Toppings
Long name	Small Toppings
Type	Standard
Minimum	0
Maximum	10
Free	0
Substitute group	Small Toppings
Screen flow required	<input checked="" type="checkbox"/>
Exempt bartenders from flow	<input type="checkbox"/>
Refill	<input type="checkbox"/>
Submenu index	0
Remove special message button	<input type="checkbox"/>
Show required modifier countdown	<input type="checkbox"/>
Hide price	<input type="checkbox"/>
Modifier panels	SML Toppings

Figure 41 Modifier Group with a Custom Modifier Panel

3. Select the **modifier panel** you created in Screen Designer for the toppings from the 'Modifier panels' drop-down list.
4. Click **Save**.
5. Repeat this **procedure** for the crust modifier group, and then the sauce modifier groups.
6. Exit the **Modifier Groups** function.

Configuring printing requirements for pizzas

Some pizza restaurants in a table service environment have a dedicated printer and terminal for pizza delivery orders. For these setups, you can use single-chit printing to print each item in an order on a separate chit, usually with the intent to attach a chit to each item to serve as a label. However, some delivery items do not require a separate label, such as for breadsticks and sodas. You can configure a specific printer to use a category of items to combine and append to the final single chit, saving paper and reducing clutter. You can also use sticky media printing to pull off and cling to the pizza box, if desired.

SCENARIO: A pizza restaurant wants to attach a chit to each pizza box in an order, essentially using the chit as a label for association with the order; however, the non-pizza items, such as breadsticks and beverages, are packaged together and do not require a separate chit. After creating a category of non-pizza items and designating that category as the category to combine on a single chit, the Aloha system prints each pizza on a separate chit and the items found in the non-pizza category append to the bottom of the chit. For example, for an order where the guest orders three pizzas, breadsticks, and beverages, the restaurant is able to tape a separate chit to each of the first two pizza boxes and a final combined chit on the third pizza box.

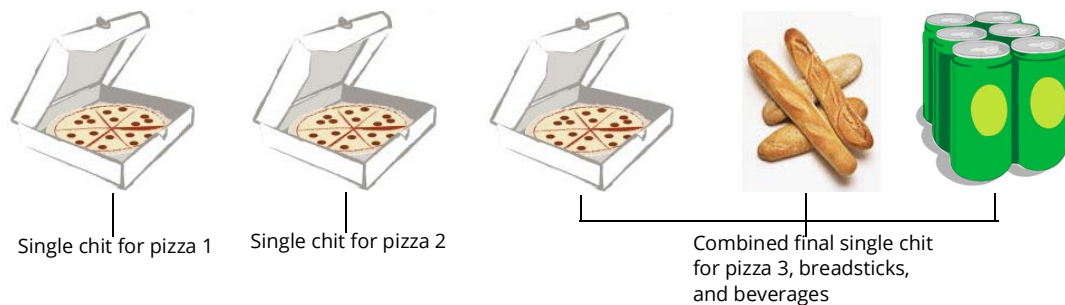


Figure 42 Combined Items on the Final Chit Example

To configure a category of items to combine on the final single chit:

1. Select **Maintenance > Menu > Categories**.
2. Click the **New** drop-down arrow, select **General**, and click **OK**.

3. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

The screenshot shows the 'Categories' window with the 'Settings' tab selected. The category is '33 PIZZAS General'. The settings are as follows:

Setting	Value
Number	33
Name	PIZZAS
Description	PIZZAS
Type	General
Suggestive	<input type="checkbox"/>
PMS sales category	0
Accounts receivable sales category	None (0)
Maximum per check	999

Figure 43 Menu - Categories - Category Tab

4. Type a **name** for the category.
5. Select the **Items** tab.

The screenshot shows the 'Categories' window with the 'Items' tab selected. The category is '33 PIZZAS General'. The 'Available' list on the left contains the following items:

Number	Name
7110	Medium Fry
7115	Burrito
7120	Large Fry
7200	**PIZZAS**
7201	*CUSTOM*
7225	XLarge CYO Pizza
7230	*SUPREME*
7250	XLarge Works
7255	*MEAT LOVERS*
7275	XLarge Meats
7280	*VEGGIE*
7285	Small Veg
7290	Medium Veg

The 'Included' list on the right contains the following items:

Number	Name
7210	Small BYO Pizza
7215	Medium BYO Pizza
7220	Large BYO Pizza
7235	Small Supreme
7240	Medium Supreme
7245	Large Supreme
7260	Sm Meat Lovers
7265	Medium Meat Lovers
7270	Large Meat Lovers
7360	Sm 3 Topping
7365	Medium 3 Topping
7370	Large 3 Topping

Figure 44 Menu - Categories - Items Tab

6. Select an **item** from the 'Available' list and click >> to move the item to the 'Included' list.

7. Repeat **step 6** for each item to include in the combined items category.
8. Click **Save** and exit the **Categories** function.

To specify the category to combine on the final single chit:

1. Select **Maintenance > Hardware > Printers**.
2. Select the **printer** from the drop-down list.
3. Select the **Options** tab.

The screenshot shows the 'Printers' window with the 'Options' tab selected. Under the 'Chit settings' group, the 'Chit type' dropdown is set to 'Single-item' and the 'Category to combine on single final chit' dropdown is set to 'Food'. Both dropdowns are circled in red. Other options include checkboxes for consolidating items and continuing chit numbering, and a text field for additional text on single-item chits.

Figure 45 Hardware - Printers - Option Tab

4. Under the 'Chit settings' group bar, select **Single-item** or **Both** from the 'Chit type' drop-down list.
5. Select a **category** from the 'Category to combine on single final chit' drop-down list.
6. Click **Save** and exit the Printers function.

Refreshing the data

Once you complete these steps, you can select Utilities/Refresh to run a system refresh, or allow the FOH to update after each EOD (End-of-Day). The changes you make in the BOH become available for use on the FOH terminals. Be aware that a refresh brings down the FOH terminals momentarily and relaunches the program. Never perform a refresh during peak hours of operation.

Caution: Refresh data with caution and never during peak hours of operation. All FOH terminals reboot during a refresh and are down for a short period of time.

Using pizzas with fractional toppings

After you complete the pizza configuration, you can enter an order for a pizza in the FOH with as many toppings as allowed and to the appropriate fractions of the pizza.

- When you add the same topping to each fraction of a pizza, the topping moves up as a base topping for the whole pizza.
- The base price of the pizza updates in the on-screen guest check when you add priced toppings.

BYO SCENARIO: The guest orders a Small Build-Your-Own (BYO) pizza with Canadian Bacon on the whole pizza, black olives on half of the pizza, onions on a quarter, and mushrooms on another quarter of the pizza.

To order a build-your-own (BYO) pizza:

1. Log in to the **FOH**.
2. Touch **New Order** to start an order. The order entry screen appears.
3. Touch the **Pizza submenu**. The Pizza submenu appears with a custom submenu panel.



Figure 46 Pizza Submenu for Advanced Pizza

4. Touch a **size** and then the **pizza item**. The item appears in the on-screen guest check with a \$6.00 price. The Modifier screen for the choice of crust appears with a custom modifier panel.

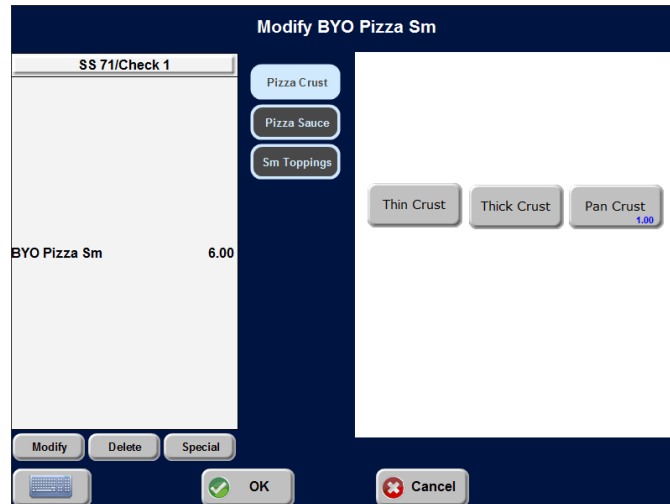


Figure 47 Crust Modifier Screen for Advanced Pizza

5. Touch a **crust**. The Modifier screen for the sauces appears with a custom modifier panel.

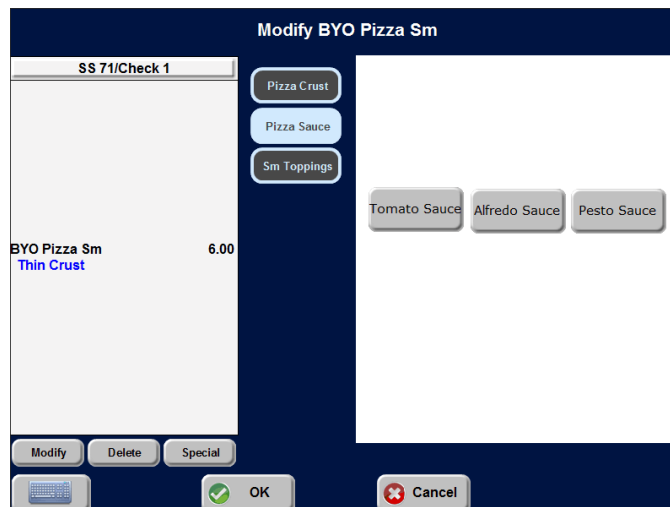


Figure 48 Sauce Modifier Screen for Advanced Pizza

6. Touch a **sauce**. The Sm Toppings modifier screen appears with a custom modifier panel.

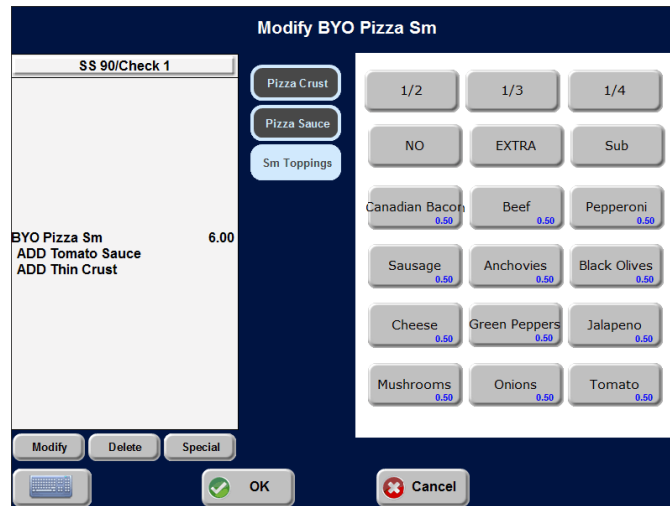


Figure 49 Small Toppings Modifier Screen for Advanced Pizza

7. Touch **Canadian Bacon**. The \$0.50 topping price applied to the whole pizza increases the price to \$6.50.
8. Touch **1/2**.
9. Touch **Black Olives**. The \$0.50 topping price applied to half of the pizza increases the price to \$6.75.
10. Touch **1/4**.
11. Touch **Onions**. The \$0.50 topping price applied to a quarter of the pizza increases the price to \$7.00.
12. Touch **1/4**.

13. Touch **Mushrooms**. The \$0.50 topping price applied to a quarter of the pizza increases the price to \$7.25. The pizza appears complete in the on-screen guest check.

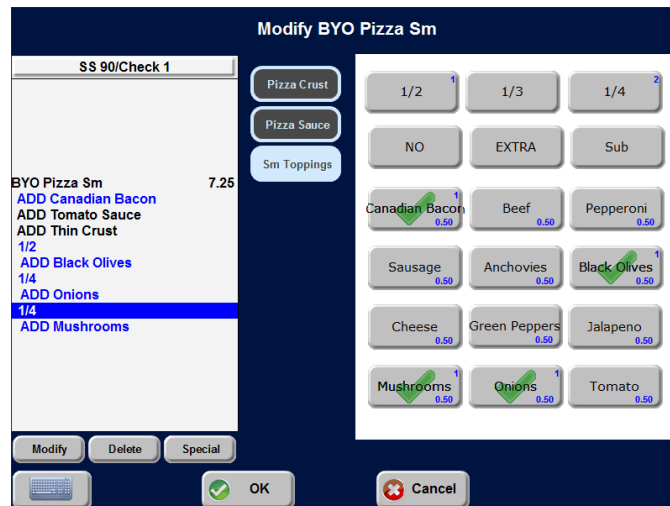


Figure 50 Completed Pizza for Advanced Pizza

14. Touch **OK** to return to the order entry screen.

15. Tender and close the **check** as normal.

NUMBERED TOPPING SCENARIO: The guest orders a Large 3-Topping pizza with Pepperoni, Sausage and Mushrooms. Then adds onions to half of the pizza.

To order a numbered-topping pizza with an advanced pizza setup:

1. Log in to the **FOH**.
2. Touch **New Order** to start an order. The order entry screen appears.
3. Touch the **Pizza submenu**. The Pizza submenu appears with a custom submenu panel.
4. Touch a **size** and then the **pizza item**. The item appears in the on-screen guest check with a \$12.00 price. The Modifier screen for the choice of crust appears with a custom modifier panel ([Figure 47](#)).
5. Touch a **crust**. The Modifier screen for the choice of sauce appears with a custom modifier panel ([Figure 48](#)).
6. Touch a **sauce**. The Modifier screen of the choice of toppings appears with a custom modifier panel.
7. Touch **Pepperoni**. The price of the pizza does not change.
8. Touch **Sausage**. The price of the pizza does not change.
9. Touch **Mushrooms**. The price of the pizza does not change.

10. Touch **1/2**.
11. Touch **Onions**. The \$1.00 topping price applied to a half of the pizza increases the price to \$12.50. The pizza appears complete in the on-screen guest check.

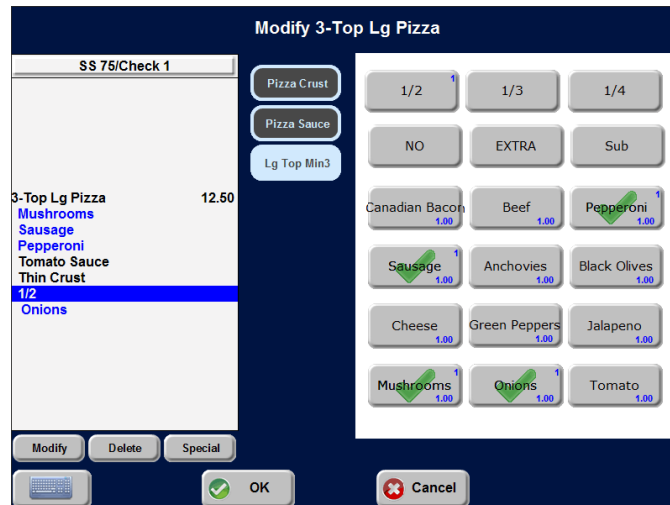


Figure 51 Completed 3-Topping Pizza

12. Touch **OK** to return to the order entry screen.
13. Tender and close the **check** as normal.

SPECIALTY PIZZA SCENARIO: The guest orders a Medium Supreme pizza and removes Onions and adds Tomatoes. Then adds extra Cheese to the whole pizza and extra Pepperoni to half of the pizza.

To order a specialty pizza with an advanced pizza setup:

1. Log in to the **FOH**.
2. Touch **New Order** to start an order. The order entry screen appears.
3. Touch the **Pizza submenu**. The Pizza submenu appears with a custom submenu panel.
4. Touch a **size** and then the **pizza item**. The item appears in the on-screen guest check with a \$12.00 price. The Modifier screen for the choice of crust appears with a custom modifier panel (Figure 47).
5. Touch a **crust**. The Modifier screen for the choice of sauce appears with a custom modifier panel (Figure 48).
6. Touch a **sauce**. The Modifier screen for the choice of toppings appears with a custom modifier panel. **Note.** The included modifier graphics appear on the topping buttons indicating these topping already come on the specialty pizza.

7. Touch **No** and then **Onions**. The included graphic disappears from the Onion button since it is no longer included on the pizza.
8. Touch **Tomatoes**. The \$0.75 topping price applied to the whole pizza increases the price to \$12.75.
9. Touch **Extra** and then **Cheese**. The extra included topping price ($\$0.75 \times 0.5$) applied to the whole pizza increases the price to \$13.13.
10. Touch **1/2**.
11. Touch **Extra** and then **Pepperoni**. The extra included topping price ($\$0.75 \times 0.5$) applied to the whole pizza increases the price to \$13.31. The pizza appears complete in the on-screen guest check.

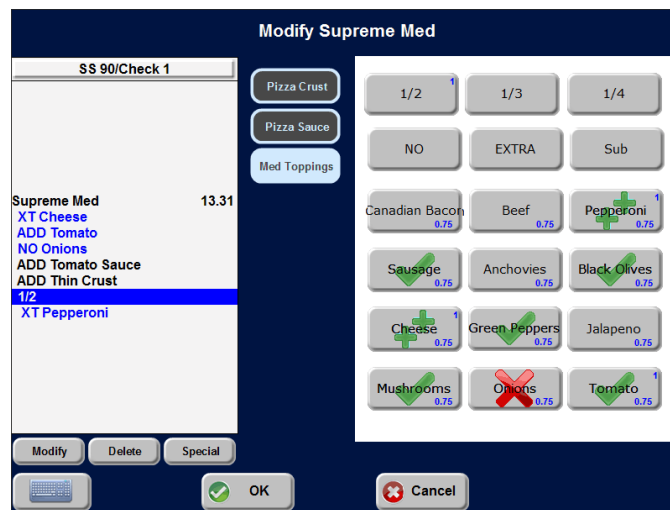


Figure 52 Completed Specialty Pizza

12. Touch **OK** to return to the order entry screen.
13. Tender and close the **check** as normal.

Section 2: Implementing fractional pizzas

Fractional Pizzas are considered to be pizza menu items but these items are seldom listed on a menu. The concept came from the demand from guests who want a variety of pizzas without having to order a full pizza of each. The difference between pizza with fractional toppings and fractional pizzas is fractional pizzas are divided into equal parts of individual pizza menu items, instead of just dividing a topping. Typically, you would couple a specialty pizza, wish as Supreme or Meat Lovers, with another specialty pizza or a Build-Your-Own (BYO) type pizza; however, you could also have two halves of a BYO on a fractional pizza.



Figure 53 Halves (Left), Thirds (Center), Quarters (Right)

The most common division in the pizza industry is halves; however, recent marketing campaigns now offer a division of thirds and quarters. Some fractional pizzas that support quarters are sold as a rectangular pizza. Some high-end pizza restaurants even utilize a special dividing tool that separates the pizza into equal parts before building the pizza and putting it in the oven.

i Note: Skip this section if you do not support fractional pizzas.

Configuring fractional pizzas

This section builds upon the steps outlined in [“Configuring pizzas with fractional toppings” on page 6](#), as the support of fractional pizzas relies on the system already supporting fractional toppings.

Implementing Fractional Pizzas procedures at a glance:

If you are viewing this document using Adobe Acrobat Reader, click each link for detailed information regarding the task.

1.	Access Maintenance > Menu > Items to create a pizza menu items for fractional pizzas, such as ‘Fract Small.’ See page 61 .
2.	Access Maintenance > Menu > Modifier Groups to add pizza menu items to a topping modifier group, such as ‘Pizza Toppings Small.’ See page 63 .
3.	Access Maintenance > Menu > Items to attach a modifier group to a fractional pizza menu item. For example, select ‘Half and Half Small’ from the ‘Modifier 1’ drop-down list under the ‘Modified by’ group bar. See page 64 .
4.	Access Maintenance > Screen Designer > Table Service Screen Designer to design the FOH screens for fractional pizzas. See page 65 . <ul style="list-style-type: none"> • Add a fractional pizza menu item to the pizza menu item panel. • Create size panels for fractional pizzas. • Add a pizza fraction to the size panel for fractional pizzas. • Add a pizza menu item to the size panel for fractional pizzas. • Add a ‘Done’ button to the size panel for fractional pizzas.
5.	To price fractional pizzas , see page 79 .
6.	Select Utilities > Refresh POS & All Products to refresh the data. See page 95 .

Creating fractional pizza menu items

In Item Maintenance, create a menu item for each divisional fraction you support for a pizza (e.g. Halves, Thirds, and Quarters), and each pizza fraction you support (e.g. 1/2, and 1/4). For pizza toppings, use the same toppings you created in the first section for the fractional pizza toppings. You do not need to create additional topping items to support fractional pizzas.

Do not price divisional fraction menu items in Item Maintenance because the price comes from the menu items ordered as part of the fractional pizza.

To create fractional pizza menu items with zero prices:

In keeping with the sample pizza, create the following items:

Halves Small (\$0.00)	Thirds Small (\$0.00)	Quarters Small (\$0.00)
Halves Medium (\$0.00)	Thirds Medium (\$0.00)	Quarters Medium (\$0.00)
Halves Large (\$0.00)	Thirds Large (\$0.00)	Quarters Large (\$0.00)

You may need to abbreviate some names due to the number of characters available in Item Maintenance.

To create fractional pizza menu items with zero prices:

1. Select **Maintenance > Menu > Items**.
2. Click the **New** drop-down arrow, select **Standard**, and click **OK**.

The screenshot shows the 'Items' tab with the following details:

- Item:** 30079 Fractional Small Food
- Settings:**
 - Number: 30079
 - Type: Standard
 - Short name: Fract Small
 - Chit name: Fract Small
 - Chit name alternate:
 - Long name: Fractional Small
 - Long name alternate:
 - Button image: None
 - Control name:
 - Ask for description: ☐
 - Export ID: 0
- Assignments:**
 - Tax group: Tax Group 1
 - Concept: None
 - Sales/retail category: Food
- Auto menu:**

Figure 54 Items - Item Tab

3. Type a **descriptive name**, such as 'Fract Small,' for the divisional fraction menu item, being sure to associate the size of the pizza item as part of the name.
4. Under the 'Assignments' group bar, select a **tax group** to assign to the item.
5. Select the **category** under which the divisional fraction menu item resides, such as 'Food.'
6. Under the 'Advanced Pizza' group bar, select **Pizza** to indicate this item is a pizza menu item.

Advanced Pizza	
Topping	<input type="checkbox"/>
Pizza	<input checked="" type="checkbox"/>
Fraction	<input type="checkbox"/>
Fraction pricing override	None
Initial Topping	0
Size	Small
Sum of fractions must equal a whole	<input checked="" type="checkbox"/>

Figure 55 Advanced Pizza Group Bar - Pizza Menu Item

7. Select **Sum of fractions must equal a whole** to enforce the logic that when you enter an order for a fractional pizza, you cannot complete the pizza until the sum of all fractions equals a whole. For example, when you enter a 'Halves' pizza and only fulfill one half of the pizza, you cannot enter the next item until you order both halves of the pizza.
8. Select the **Pricing** tab.

Items	
Item: 30079 Fractional Small Food	
<div> Item Modifier Pricing General Settings Print Display Options Quick Count Dynamic Modifiers Included Topping Matrix SKU Numbers </div>	
Pricing options	
Eligible for fixed pricing	<input type="checkbox"/>
Pricing method	Item Price
Minimum price	0.00
Maximum price	999999.99
Default price	0.00

Figure 56 Pricing Tab - Pizza Menu Item - Zero Price

9. Select **Item Price** from the 'Pricing method' drop-down list.
10. Type **0.00** as the base price of the pizza in 'Default price.'
11. Configure the **remaining options** as you would do for any other item, where available.
12. Click **Save**.

13. Repeat this **procedure** for any other pizza menu item you offer.
14. Continue to the **next procedure**.

Adding pizza menu items to modifier groups

To support fractional pizzas, you must add the pizza menu items you created in page 4 to the respective modifier groups. This allows the fractional pizza item to be modified with the pizza menu items. For example, add all the small pizza menu items, such as BYO SM, to the SM Toppings modifier group.

To add pizza menu items to a topping modifier group:

1. Select **Maintenance > Menu > Modifier Groups**.
2. Select an **existing modifier group**, such as 'Fractional Medium,' from the 'Modifier Group' drop-down list.
3. Select the **Layout** tab.

The screenshot shows the 'Modifier Groups' application window. The title bar is 'Modifier Groups'. Below it, a dropdown menu shows '10021 Fractional Medium'. There are two tabs: 'Modifier' and 'Layout', with 'Layout' being the active tab. The main area is a grid of modifier items. The first row contains three items: '3-Top Md Pizza' (30058, \$10.00), 'Meat Lovers Md' (30068, \$12.00), and 'BYO Md' (30061, \$8.00). The second row contains 'Veggie Lvr's Md' (30071, \$10.00) and 'Supreme Md' (30064, \$12.00). The rest of the grid is empty. To the right of the grid is a 'Modifier item' panel. It has a dropdown menu for 'Item' showing '3-Topping Medi...'. Below it are fields for 'Weight' (1), 'Not eligible for substitution' (checkbox), 'Price method' (Item price), and 'Default price' (10.00). At the bottom of the window are buttons for 'Page up', 'Page down', 'Sort', and 'Consolidate'.

Modifier item	
Item	3-Topping Medi...
Weight	1
Not eligible for substitution	<input type="checkbox"/>
Price method	Item price
Default price	10.00

Figure 57 Modifier Groups - Layout Tab - Fractional Medium

4. Double-click an **available button** from the modifier grid.

5. Select the **pizza menu item**, such as '3-Top Md Pizza,' to add from the 'Item' drop-down list.
6. Select **Item price** from the 'Price method' drop-down list. The 'Default price' appears.
7. Repeat **steps 2 through 6** until you add all necessary pizza menu items to the modifier group.
8. Click **Save**.
9. Repeat this **procedure** for each remaining topping modifier group, such as 'Fractional Small,' and 'Fractional Large.'
10. Click **Close** to exit the **Modifier Groups** function.

Attaching modifier groups to fractional pizza menu items

After adding the pizza menu items to the topping modifier groups, attach the modifier groups to the fractional pizza menu items in Item Maintenance. Do not attach modifier groups to the pizza topping or pizza fraction items.

To attach a modifier group to a fractional pizza menu item:

1. Select **Maintenance > Menu > Items**.
2. Select the **Modifier** tab.
3. Select a **fractional pizza menu item**, such as 'Fractional Medium,' from the drop-down list.
4. Select the **Modifier** tab.

Items	
Item: 30080 Fractional Medium Food	
Item	Modifier
If used as modifier	
Apply surcharge	<input type="checkbox"/>
Apply price multiple	<input type="checkbox"/>
Combine price with parent item	<input checked="" type="checkbox"/>
Highlight if modifier	<input type="checkbox"/>
Print independently	<input type="checkbox"/>
Display context panel	<input type="checkbox"/>
Default weight	1
Modified by	
Modifier 1	Fractional Medium
Modifier 2	None
Modifier 3	None
Modifier 4	None
Modifier 5	None
Modifier 6	None
Modifier 7	None
Modifier 8	None

Figure 58 Items - Modifier Tab - Fractional Medium

5. Select a **modifier group** from the drop-down list, being careful to select the modifier group that corresponds to the size of the pizza menu item. For example, attach the 'Fractional Medium' modifier group to the Fractional Medium pizza menu item.
6. Repeat **step 3**, if necessary.
7. Click **Save**.
8. Repeat **steps 2 through 5** until you attach all modifier groups to the applicable fractional pizza menu item.
9. Click **Close** to exit the **Items** function.

Designing the front-of-house (FOH) screens for fractional pizzas

For fractional pizzas, you must design the panels and the panel flow in a way that is most effective for ordering. You can accomplish this with secondary panels, called size panels, so that the available choices coincide with the size of the fractional pizza. You also want the toppings to appear only when topping choices can be made, to safeguard against order entry mistakes. The following sequence depicts the panel flow described in this document.

Creating a panel for pizza menu items

Create a panel and put the pizza menu items, such as Meat Lovers, Supreme, and Build-Your-Own (BYO), by size. A complex pizza restaurant could have several panels dedicated to pizza. This document focuses on the alternate panel design using smart item and smart select buttons for optimal capacity on a panel; however, you can also use order item buttons to list all buttons on the panel.

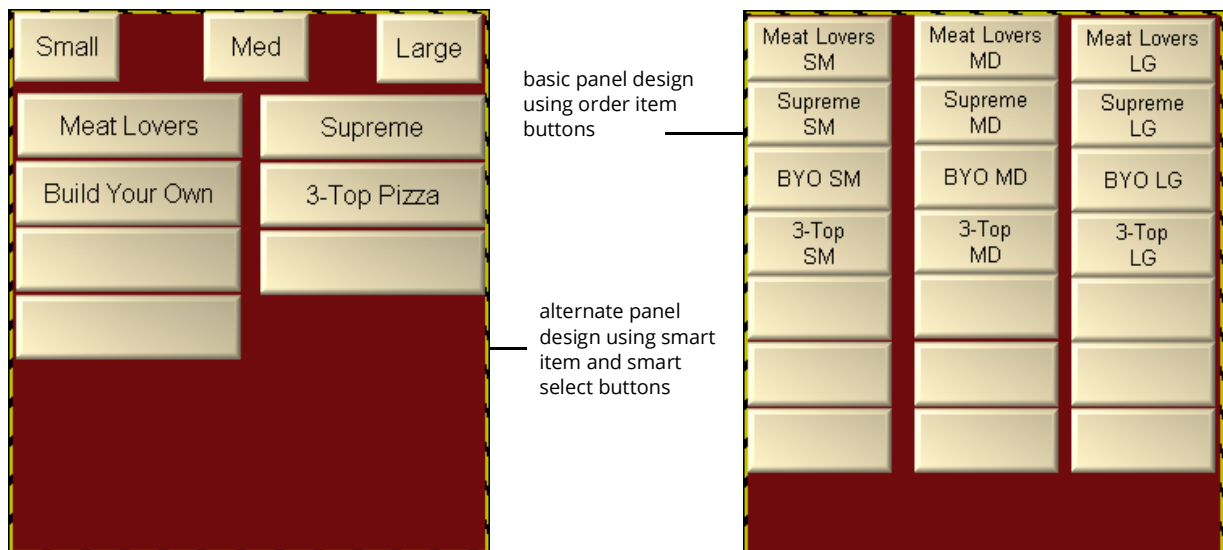


Figure 59 Pizza Item Panels Using Smart Items and Smart Selects (Left) and Order Items (Right) Example



Reference: For a refresher with smart items and smart select items, you can refer to RKS ID 9176 for further instructions on configuring and using smart item and smart select buttons.

In keeping with the sample menu on [page 4](#), you need to perform the following:

- Create a pizza menu item panel for advanced pizza.
- Add smart select buttons for pizza menu items.
- Add smart item buttons for pizza menu items.

To create a pizza menu item panel for advanced pizza:

1. Select **Maintenance > Screen Designer > Table Service Screen Designer**.
2. Select **Work with Panels**.
3. Select **Panel > New Panel**, and size the **panel** to fit to the screen or other order entry panels in use.
4. Under the 'Identification' group bar, click the **ellipses button (...)** and assign a **new number** for the panel ID.

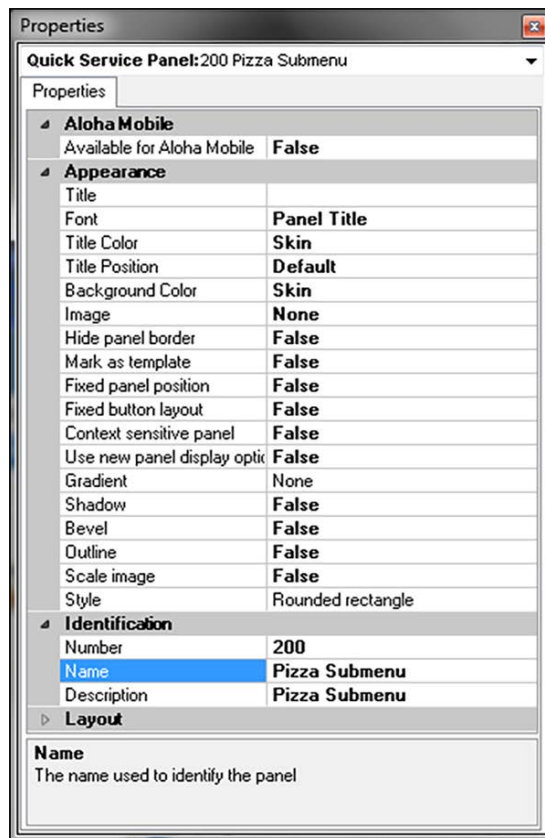


Figure 60 Pizza Panel Properties Dialog Box

5. Under the 'Identification' group bar on the Properties dialog box, click the **ellipses button** and assign a **new number** for the panel ID.
6. Type a **descriptive name** for the panel, such as 'Pizza Submenu.'
7. Continue to the **next procedure**.

To add smart select buttons to the pizza submenu panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.

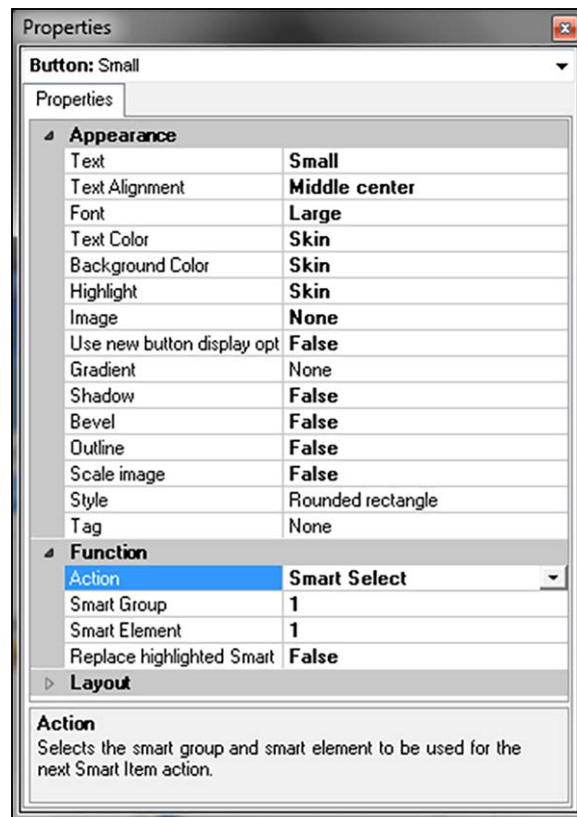


Figure 61 New Button - Smart Select

2. Under the 'Function' group bar, select **Smart Select** from the 'Action' drop-down list.
3. Type **1** in 'Smart Group.'
4. Type **1** in 'Smart Element.'
5. Under 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Small.'
6. Select **Panel > New Button**.
7. Under the 'Function' group bar on the Properties dialog box, select **Smart Select** from the 'Action' drop-down list.

8. Type **1** in 'Smart Group.'
9. Type **2** in 'Smart Element.'
10. Under the 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Medium.'
11. Select **Panel > New Button**.
12. Under the 'Function' group bar on the Properties dialog box, select **Smart Select** from the 'Action' drop-down list.
13. Type **1** in 'Smart Group.'
14. Type **3** in 'Smart Element.'
15. Under the 'Appearance' group bar, type a **descriptive name** for the smart select button, such as 'Large.'
16. Continue to the **next procedure**.

To add smart item buttons to the pizza panel:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.

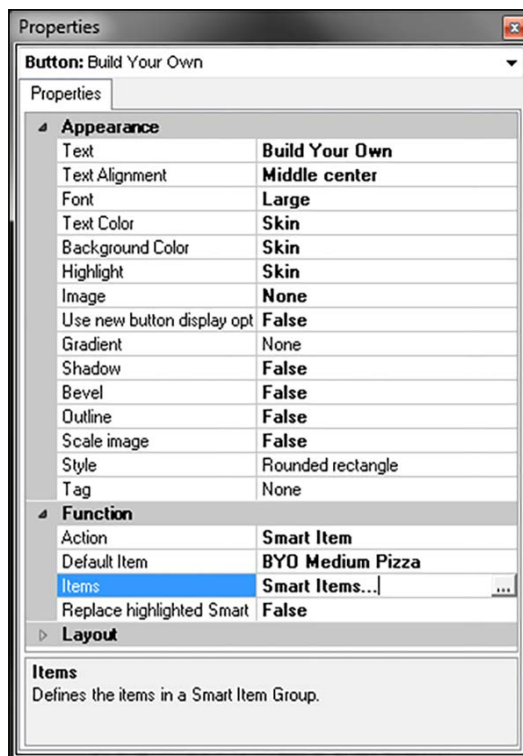


Figure 62 New Button - Smart Item

2. Under the 'Function' group bar, select **Smart Item** from the 'Action' drop-down list.

3. Select the **item to use as the default** when you select the pizza item without first touching a size, in 'Default item.' This is usually the most ordered size of the respective pizza item, such as 'Med.'
4. Click the **Ellipses button (...)** in the 'Items' text box to open the Select Smart Items dialog box. .

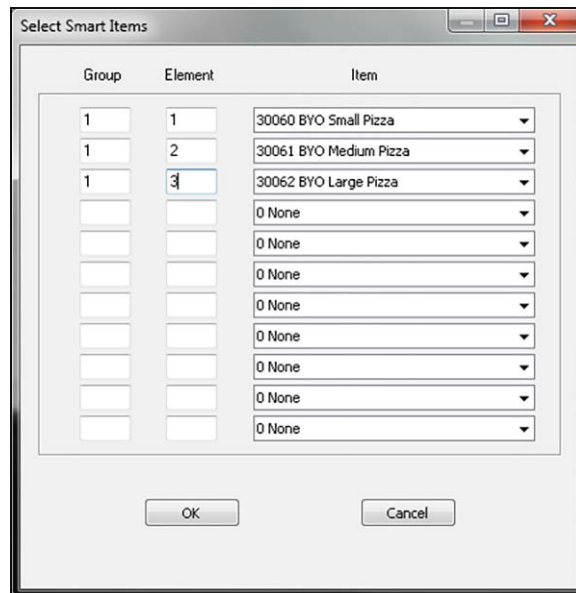


Figure 63 Select Smart Items Dialog Box - BYO Pizza Example

5. Type **1** in the first 'Group' text box.
6. Type **1** in the first 'Element' text box.
7. Select the **pizza item** that you want to order with the corresponding smart select button from the first 'Item' drop-down list.
8. Type **1** in the second 'Group' text box.
9. Type **2** in the second 'Element' text box.
10. Select the **pizza item** that you want to order with the corresponding smart select button from the second 'Item' drop-down list.
11. Type **1** in the third 'Group' text box.
12. Type **3** in the third 'Element' text box.
13. Select the **pizza item** that you want to order with the corresponding smart select button from the third 'Item' drop-down list.
14. Click **OK** to exit the **Select Smart Items** dialog box.

15. Under the 'Appearance' group bar, type a **descriptive name** for the button, such as 'Build Your Own.'
16. Repeat this **procedure** for each pizza item you want to add to the pizza submenu panel.
17. Select **Panel > Save Panel** and exit **Table Service Screen Designer**.

Adding fractional pizzas to the pizza menu item panel

You must add the fractional pizza items to the same pizza panel you created in ["Designing front-of-house \(FOH\) screens for fractional toppings" on page 30](#), as space permits.

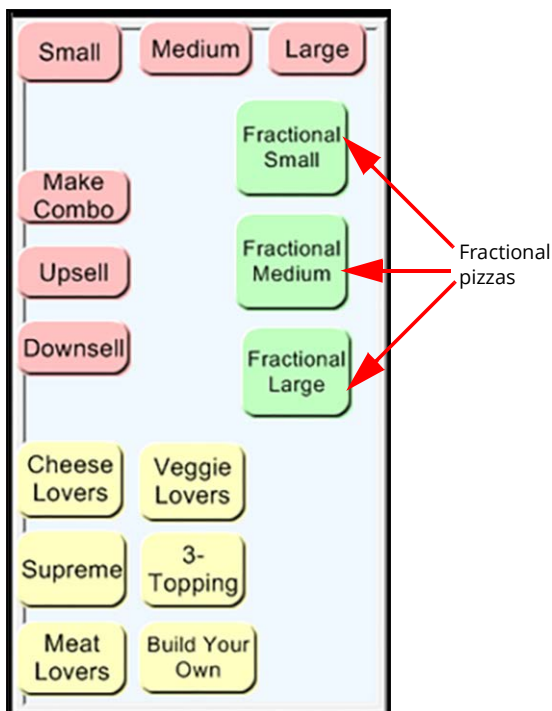


Figure 64 Pizza Panel with Regular Pizzas and Fractional Pizzas ** Table Service3

To add a fractional pizza menu item to the pizza menu item panel:

1. Select **Maintenance > Screen Designer > Table Service Screen Designer**.
2. Select **Panel > Open Panel**.
3. Select the **pizza panel** you created.
4. Right-click and select **New Button**.
5. Under the 'Function' group bar, select **Fraction** from the drop-down list.
6. Select a **fractional pizza menu item**, such as '1/2,' from the Item drop-down list.
7. Complete the **remaining options** as you would for any other button.

8. Repeat **Steps 4 through 7** until you add all fractional pizza menu items to the panel.
9. Select **Save Panel > Close Panel**.

Creating size panels for fractional pizzas

For fractional pizzas, we recommend you limit the selections of pizza items by size. By displaying a size panel that only allows you to choose a size that coincides with the fractional pizza item you are entering, this helps avoid mixing sizes on a fractional pizza. For example, when you select a fractional pizza called Thirds LG, you should only be able to select large pizzas to complete the order.

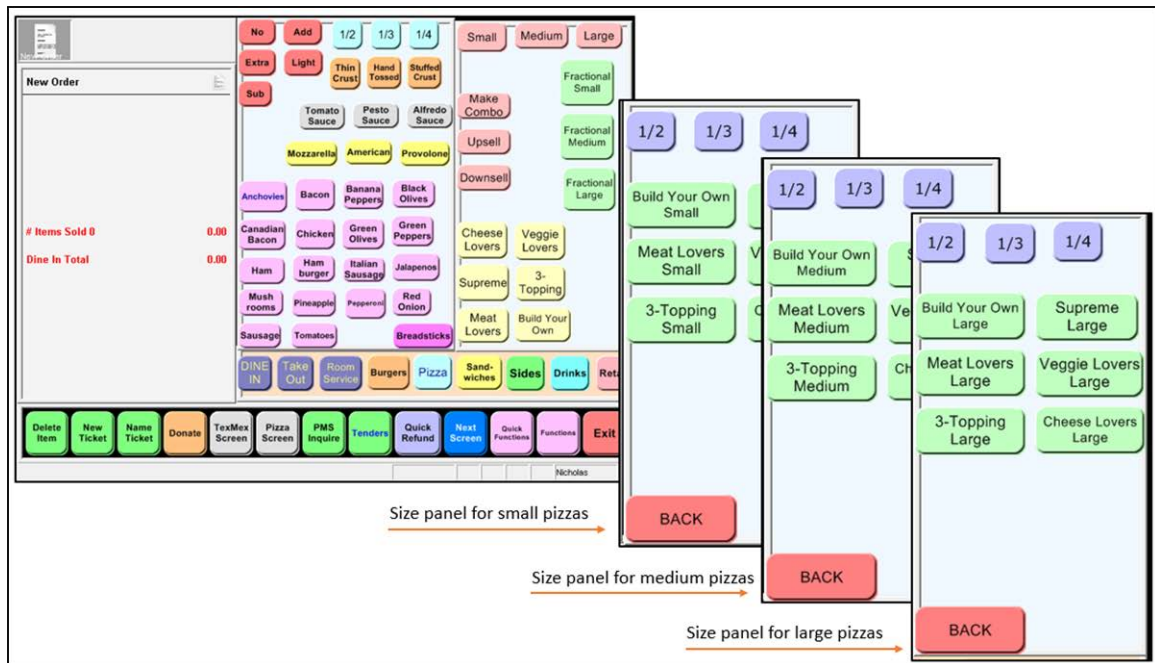


Figure 65 Example Setup for Navigation with Fractional Pizzas **REDO IMAGE**

To make this navigation seamless, copy the pizza panel that contains the pizza items and create a new panel, configured as a context panel***, for each size you support. When

properly configured, the corresponding panel appears when you select the fractional pizza item, limiting the choices to pizzas of that same size.

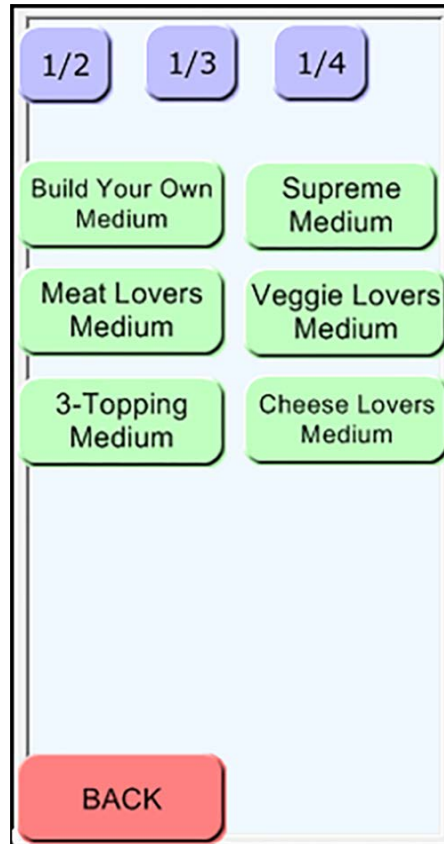


Figure 66 Example of a Medium Size Panel

How you configure the size panel is up to you; however, we recommend the following:

- Add a **fraction button** for each pizza fraction you support. In this example, '1/2,' '1/3,' and '1/4.'
- Add an **order modifier button** for each pizza menu item that can be ordered as a fraction of a whole pizza.
- Add a **Back button** to provide a way back to the pizza item panel once the fractional pizza is complete.

To create a size panel to use for fractional pizzas:

1. With the panel containing the main pizza items displayed, select **Panel > Duplicate Panel**.
2. Type a **name** for the panel, such as Pizza Main MD.

3. Select any **remaining options** as you would for any other panel.
4. Continue to the **next procedure**.

To add a pizza fraction to the size panel for fractional pizzas:


1. With the size panel displayed, select **Panel > New Button**.
2. Under the 'Function' group bar, select **Fraction** from the 'Action' drop-down list.
3. Select the **fraction** represented by this button from the 'Item' drop-down list, making sure you select the pizza fraction item you created for fractional pizzas.
4. Complete the **remaining options** as you would for any other button.
5. Repeat this **procedure** to create a button for each fraction you support.
6. Continue to the **next procedure**.

To add a pizza menu item to the size panel for fractional pizzas:

1. With the size panel displayed, select **Panel > New Button**.
2. Under the 'Function' group bar, select **Order Modifier** from the 'Action' drop-down list.
3. Select the fractional pizza to associate with the button, such as 'Halves.'
4. Select any remaining options as you would do for any other button.
5. Repeat this procedure to create other pizza menu items you offer as a fractional pizza.
6. Continue to the next procedure.

To add a 'Back' button to the size panel for fractional pizzas:

1. With the size panel displayed, select **Panel > New Button**.
2. Under the 'Function' group bar, select Chain from the 'Action' drop-down list.
3. Click the **ellipses button** in the 'Panels to display' drop-down list to display the Select Panel dialog box.
4. Select a **panel** to appear when this button is pressed from the 'Available list' and click **>>>** to move the panel to the 'Selected Panels' list, and click **OK**. The panel appears in the 'Panels to display' drop-down list.
5. Select any **remaining options** as you would do for any other button.
6. Once done, select **Panel > Save Panel**.

 **Note:** Once you complete a size panel, repeat these procedures to create the other size panels, such as a panel for small fractional pizzas, large fractional pizzas, and more.

Creating pizza panels for each sized pizza

You can also chain the a half pizza item button so that it connects to another panel from which you can define half and half pizzas. You can create Half and Half pizza panels for each size you offer; such as 'Small,' 'Medium,' and 'Large.' Using the chain function, the one-half button reveals a new panel to which you can select a half specialty pizza with another half specialty pizza. For example, the guest wants a one section of the pizza to be a Cheese Lovers pizza, and the other section a Meat lovers pizza.

To create pizza panels for each sized pizza:

1. Select **Maintenance > Screen Designer > Table Service Screen Designer**.
2. Select **Work with Panels**.
3. Select **Panel > New Panel**, and size the **panel** to fit to the screen or other order entry panels in use.

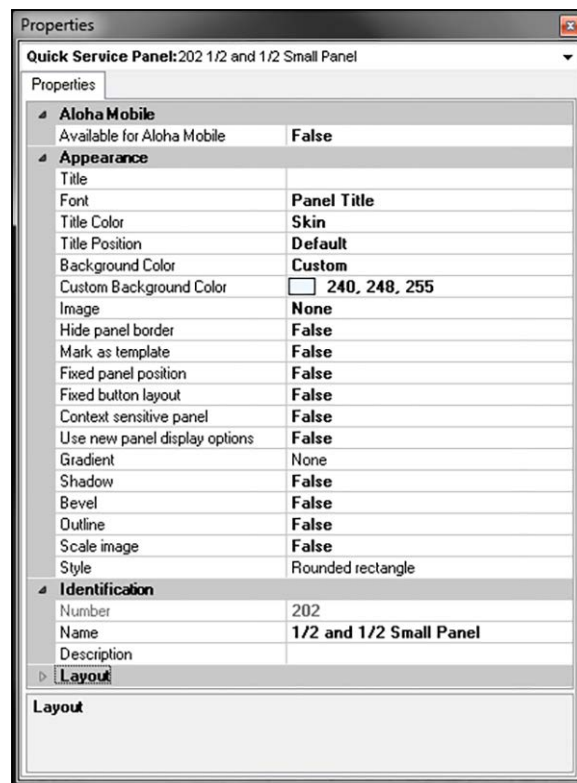


Figure 67 Half and Half Small Panel Properties

4. Under the 'Identification' group bar, click the **ellipses button (...)** and assign a **new number** for the panel ID.
5. Type a **descriptive name** for the panel, such as '1/2 and 1/2 Small Panel.'
6. Continue to the **next procedure**.

To add buttons to the half and half pizza panels:

1. Right-click the **panel** and select **New Button**. The Properties dialog box appears.

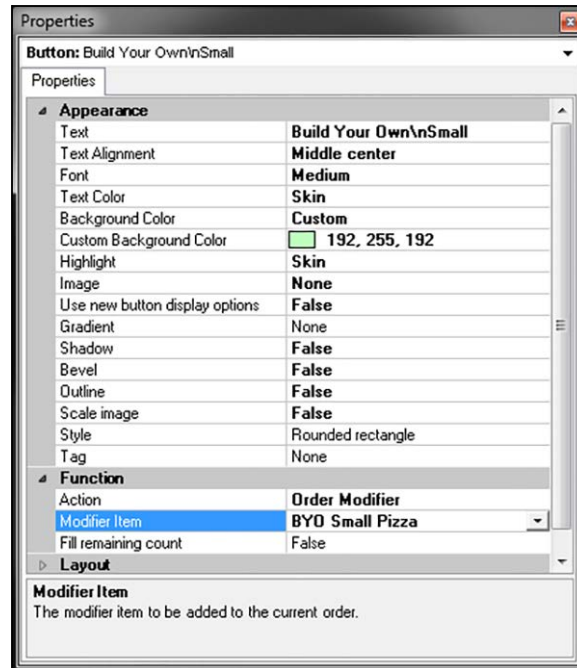


Figure 68 Button Properties - Small Half and Half Pizza

2. Under the 'Function' group bar, select **Order Modifier** from the 'Action' drop-down list.
3. Select the **modifier item**, such as 'BYO Small Pizza,' from the 'Modifier Item' drop-down list.
4. Under the 'Appearance' group bar, type the **name** of the small pizza, such as 'Build Your Own Small.' To display text on multiple lines, insert '\n' without spaces for line breaks, such as 'Build Your Own\nSmall.'
5. Configure the **remaining options** as you would for any other button function
6. Repeat this **procedure** for each small pizza you want to add to the small half and half pizza panel.

- Return to the **panel** to add a half button.

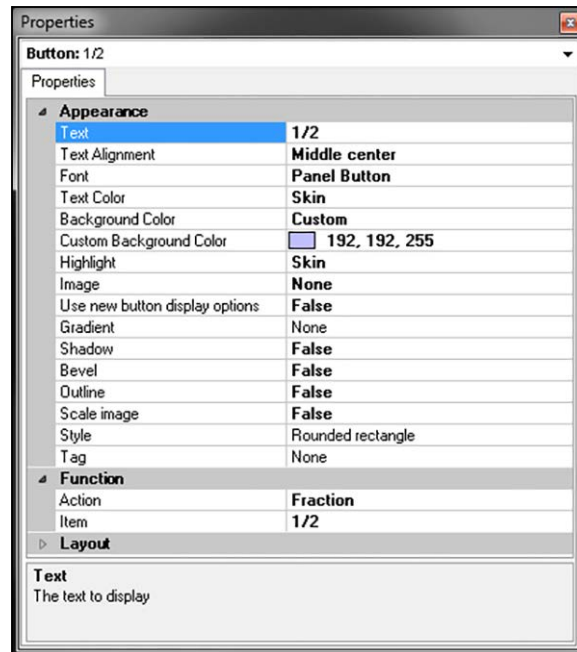


Figure 69 Button Properties - One Half

- Right-click the **panel** and select **New Button**. The Properties dialog box appears.
- Under the 'Function' group bar, select **Fraction** from the 'Action' drop-down list.
- Select the **fraction item**, such as '1/2,' from the 'Modifier Item' drop-down list.
- Under the 'Appearance' group bar, type the **name** of the small pizza, such as '1/2.' To display text on multiple lines, insert '\n' without spaces for line breaks.
- Configure the **remaining options** as you would for any other button function.

13. Return to the **panel** to add a Back button.

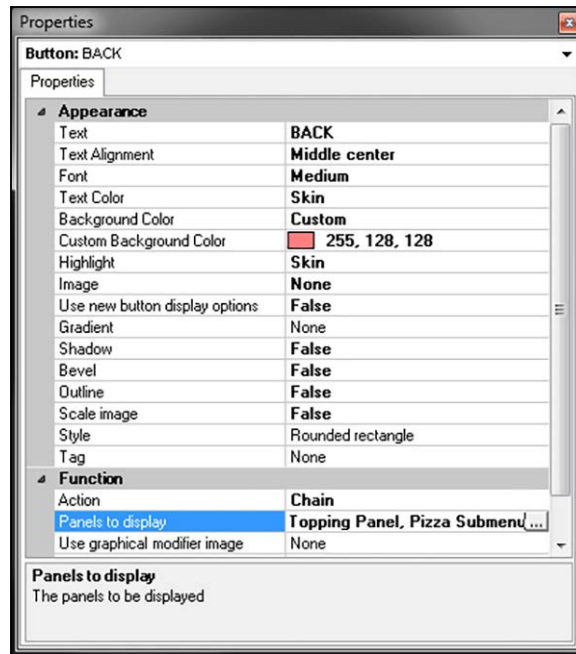


Figure 70 Button Properties - Back

14. Under the 'Function' group bar, select **Chain** from the 'Action' drop-down list.

15. Click the **ellipsis button (...)** to access the Select Panels dialog box.

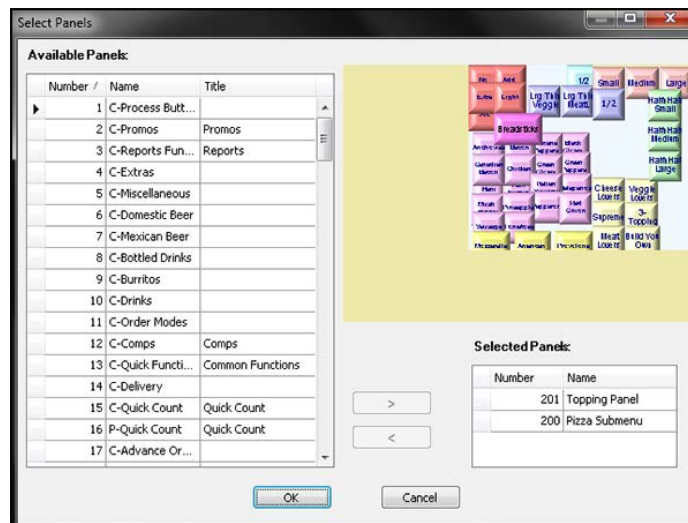


Figure 71 Select Panels Dialog Box

16. Select a **panel** from the 'Available Panels' list and click >> to move the panel to the 'Selected Panels' list.

17. Repeat **step 16** for each additional panel you want to chain appear in the 'Included' list.
18. Click **OK**.
19. Configure the **remaining options** as you would for any other button function.
20. Repeat this **procedure** for the Medium and Large Half and Half Panels.
21. Select **Panel > Save Panels**.
22. Select **File > Exit** to exit **Table Service Screen Designer**.

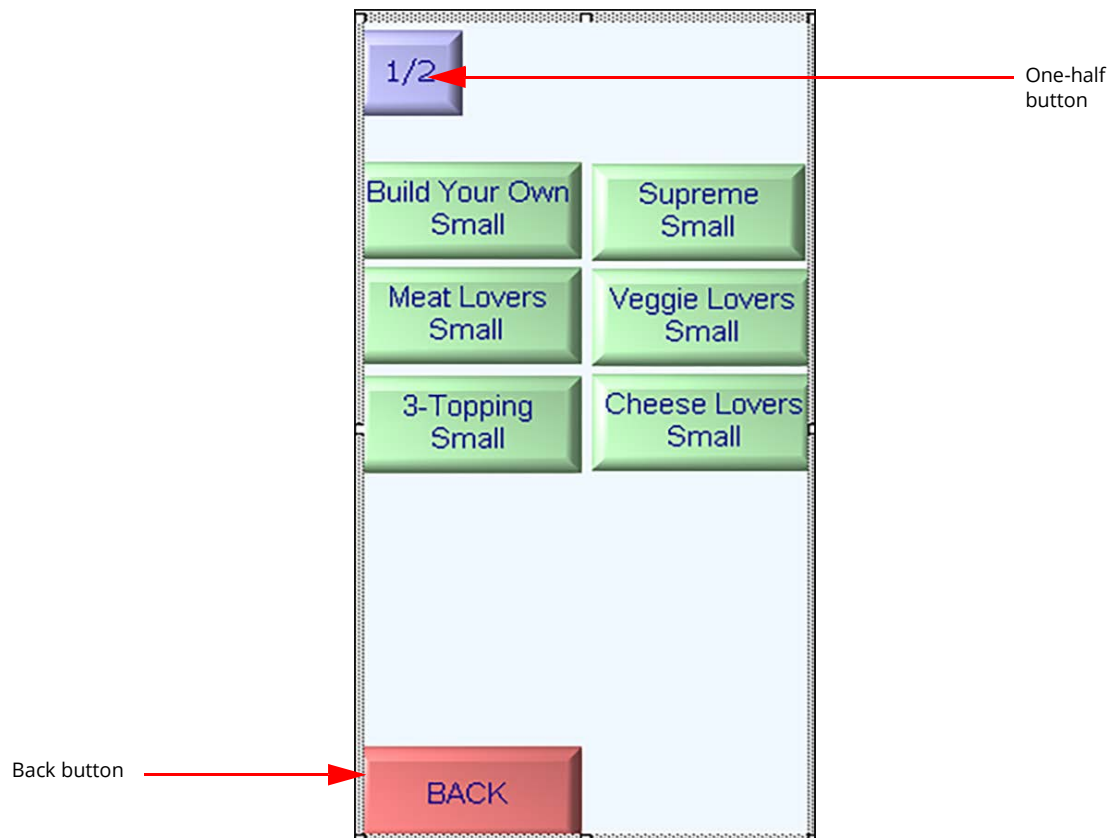


Figure 72 Half and Half Pizza Buttons Panel CHANGE IMAGE

Understanding pricing fractional pizzas

When you order fractional pizzas, the system determines how to calculate the price of each pizza, based on the pizza portion pricing method configured in Maintenance > Store Settings > Order Entry group > Pizza tab. Keep in mind a base topping is not fractional. Use the following examples to understand how the system calculates the pricing for each pizza portion pricing method:

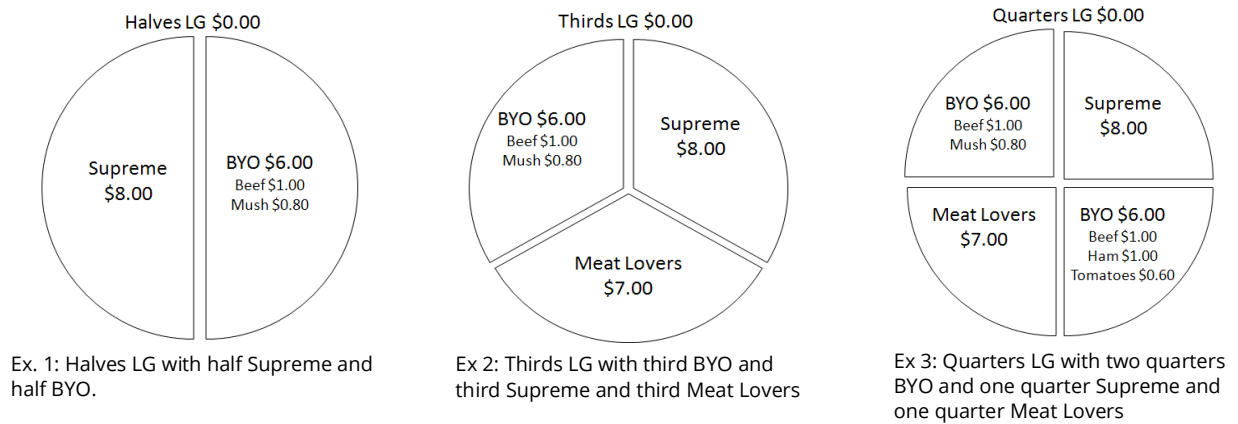


Figure 73 Fractional Pizza and Topping Examples



Reference: Refer to [“Pricing pizzas with fractional toppings” on page 28](#) for pricing pizzas with fractional toppings.

Percentage pricing

Prices each pizza fraction based on a percentage of the base topping price. Apply 60% to each of the examples:

Ex 1: Halves LG with half Supreme and half BYO	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80) \times 0.60] = \9.48 .
Ex 2: Thirds LG with third BYO and third Supreme and third Meat Lovers	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00) \times 0.60] = \$13.68$.
Ex 3: Quarters LG with two quarters BYO and one quarter Supreme and one quarter Meat Lovers	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00 + \$6.00 + \$1.00 + \$1.00 + \$0.60) \times 0.60] = \$18.84$.

Average pricing

Prices pizza fractions based on the average of the combined price of the pizza fraction.

Ex 1: Halves LG with half Supreme and half BYO	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80) / 2] = \7.90 .
Ex 2: Thirds LG with third BYO and third Supreme and third Meat Lovers	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00) / 3] = \$7.60$.
Ex 3: Quarters LG with two quarters BYO and one quarter Supreme and one quarter Meat Lovers	Calculates $\$0.00 + [(\$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00 + \$6.00 + \$1.00 + \$1.00 + \$0.60) / 4] = \$7.85$.

Higher fraction charged

Charges the price of the higher priced pizza fraction only. The remaining toppings are free.

Ex 1: Halves LG with half Supreme and half BYO	Calculates \$8.00. BYO with Beef and Mushrooms is not charged.
Ex 2: Thirds LG with third BYO and third Supreme and third Meat Lovers	Calculates \$8.00. Neither BYO with Beef and Mushrooms or Meat Lovers is charged.
Ex 3: Quarters LG with two quarters BYO and one quarter Supreme and one quarter Meat Lovers	Calculates \$8.60. Neither BYO with Beef and Mushrooms, Meat Lovers, or Supreme is charged.

Whole price for topping

Charges fully for each topping and gives no discount.

Ex 1: Halves LG with half Supreme and half BYO	Calculates $\$0.00 + \$8.00 + \$6.00 + \$1.00 + \$0.80 = \15.80 .
Ex 2: Thirds LG with third BYO and third Supreme and third Meat Lovers	Calculates $\$0.00 + \$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00 = \$22.80$.
Ex 3: Quarters LG with two quarters BYO and one quarter Supreme and one quarter Meat Lovers	Calculates $\$0.00 + \$8.00 + \$6.00 + \$1.00 + \$0.80 + \$7.00 + \$6.00 + \$1.00 + 1.00 + \$0.60 = \31.40 .

Refreshing the data

Once you complete these steps, you can select Utilities/Refresh to run a system refresh, or allow the FOH to update after each EOD (End-of-Day). The changes you make in the BOH become available for use on the FOH terminals. Be aware that a refresh brings down the FOH terminals momentarily and relaunches the program. Never perform a refresh during peak hours of operation.



Caution: Refresh data with caution and never during peak hours of operation. All FOH terminals reboot during a refresh and are down for a short period of time.

Using fractional pizzas

Order a fractional pizza using the size panels that limit the selections to the specific size of the pizza you are ordering.

- The base price of the pizza updates in the guest check window when you add toppings.
- On half pizzas, you can use two quarters to make up for one half.

To order a fractional pizza:

1. Log in to the **FOH**.
2. Access the **main pizza panel**.
3. Touch a **fractional pizza item**, such as 'Fractional Small.' Fract Small appears in the guest check window with a \$0.00 price. The Fractional Small size panel appears.
4. Touch **1/2**.
5. Touch **Supreme Small**. The '1/2' and 'Supreme Sml' appear in the guest check window.
6. Add or remove any **modifiers** that the guest requests.
7. Touch **1/2**.
8. Touch **Veggie Lovers Small**. The '1/2' and 'Veggie Lvrs Sm' appear in the guest check window.
9. Add or remove any **modifiers** that guest requests.
10. Touch an **order mode**.
11. Tender and close the **check** as usual.

Section 3: Implementing pizza topping inventory depletion

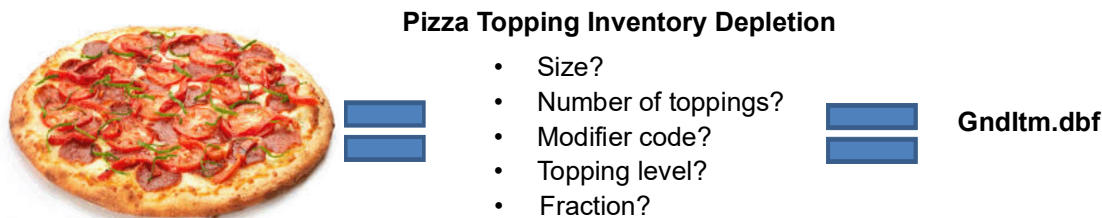


Figure 74 Pizza Topping Inventory Depletion Matrix Illustration

In the pizza industry, the amount of each topping you put on a pizza usually varies based on the size of the pizza and the total number of toppings placed on the pizza. For example, a medium two-topping pizza could use five ounces of mushrooms where a medium four-topping pizza requires only four. This ensures a pizza is not overloaded with toppings, which results in poor food quality, and the pizza topping inventory matches against food cost.

When you add a pizza topping to a pizza, the quantity of '1' is written to GndItem.dbf. This does not allow an inventory product, such as NCR Back Office, to correctly deplete inventory for pizza toppings since there are many varying factors to consider. To make adjustments to the data that is output to GndItem.dbf, you can configure a pizza topping depletion matrix for add-on and included pizza toppings that determines the portion of toppings used on a pizza. The matrix takes into account the size and initial number of toppings on the pizza being ordered, as well as any toppings ordered on fractional portions of a pizza. You can adjust the pizza topping depletion matrix according to other variables as well, such as modifier codes. In turn, the POS can output the adjusted quantities to the GndItem.dbf accordingly for inventory programs to use. This feature does not affect the FOH or any reporting inside of the Aloha system.

Configuring pizza topping inventory depletion

This section details the configuration requirements within new Aloha Manager and Aloha Configuration Center (CFC) for advanced pizza. If you are an experienced user, refer to Procedures at a Glance for abbreviated steps. If you prefer more detail, continue reading this document.

Pizza Topping Inventory Depletion procedures at a glance:

If you are viewing this document using Adobe Acrobat Reader, click each link for detailed information regarding the task.

1.	Access Maintenance > Menu > Advanced Pizza Depletion > Pizza Sizes and configure pizza sizes for use in the pizza topping depletion matrix. See page 85 .
2.	Access Maintenance > Menu > Advanced Pizza Depletion > Topping Levels and configure the topping levels to use in the pizza topping depletion matrix. See page 86 .
3.	Access Maintenance > Menu > Modifier Codes and designate the modifier codes you want to include in the pizza topping depletion matrix. See page 87 .
4.	Access Maintenance > Menu > Items and configure the pizza topping depletion matrix for the add-on toppings. See page 91 .
5.	Select Maintenance > Business > Store > Store Settings tab > System group and determine if the pizza topping depletion matrix is based on the whole pizza or fractions of the pizza. See page 94 .
6.	Access Utilities > Refresh POS Data to update the information on the FOH terminals, or wait for the End-of-Day (EOD) process to accomplish the data refresh for you. See page 95 .

Note: If you have an existing pizza database that you configured in the old Aloha Manager interface, and you are migrating to one of these configuration tools, the system maintains the configuration of pizza, and you simply need to configure the pizza topping inventory depletion matrix.

The configuration of the pizza topping depletion matrix requires you to access several different functions that each relate to each other.

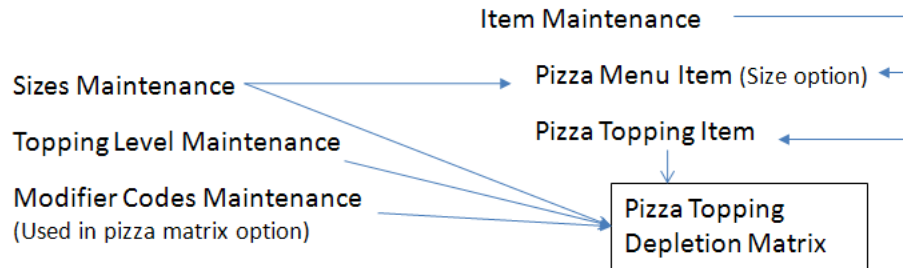


Figure 75 Pizza Topping Depletion Matrix Association

Configuring pizza sizes for the pizza topping depletion matrix

You must configure the sizes you offer so they can act as a quantifier for the pizza topping inventory depletion matrix. Not only do you input these sizes into the matrix, but you also associate the size with the appropriate pizza item in Item Maintenance. For example, associate the pizza item 'Supreme Large' in Item Maintenance with the 'Large' pizza size in the Pizza Sizes function.

To configure pizza sizes for use in pizza topping inventory depletion:

1. Select **Maintenance > Menu > Advanced Pizza Depletion > Pizza Sizes**.
2. Click **New**.
3. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

The screenshot shows the 'Pizza Sizes' configuration window. At the top, there is a 'Pizza Size' dropdown menu currently set to '4 Large'. Below this is a 'Settings' section with two rows: 'Number' with the value '4' and an ellipsis button, and 'Name' with the value 'Large'.

Figure 76 Advanced Pizza - Pizza Sizes

4. Under the 'Settings' group bar, type the **name of a size** you offer, such as 'Large.' The Pizza Sizes function is specific to the pizza topping inventory depletion matrix.
5. Click **Save**.

6. Repeat this **procedure** for any other pizza size you offer.
7. Exit the **Pizza Sizes** function.

Configuring pizza topping levels for the pizza topping depletion matrix

You must evaluate and configure the topping levels you offer so they can act as a quantifier for the pizza topping inventory depletion matrix. Base the levels upon when the amount of the each topping decrease when you add more toppings to the pizza. For example, if you use five ounces of onions on a pizza that contains up to two toppings, and the amount reduces to four ounces when the pizza contains more than two toppings, you need to create a new topping level.

To configure pizza topping levels for pizza topping inventory depletion:

1. Select **Maintenance > Menu > Advanced Pizza Depletion > Topping Levels**.
2. Click **New**.
3. Accept the **system assigned number** or click the **ellipsis (...)** next to 'Number' to display the Number Assignment dialog box, from which you can choose an **alternate number**.

Settings	
Number	1 ...
Name	1-2 Toppings
Minimum value	1
Maximum value	2

Figure 77 Advanced Pizza - Pizza Topping Levels

4. Type a **descriptive name** for the pizza topping level to reflect a separation of toppings, such as 1-2 Toppings, 3-4 Toppings, 5-6 Toppings, and more. Base the levels upon when the quantity of the toppings decrease when you add more toppings to the pizza. For example, if you use five ounces of onions on a pizza that contains up to two toppings, and only four ounces when the pizza contains more than two toppings, you need to create a topping level. This option is specific to the pizza inventory depletion matrix and you cannot use this option when configuring the Pizza Modifier screen.
5. Type the **minimum number of toppings** allowed for this pizza topping level. When the pizza has less than this number, the system uses the next lowest pizza topping level. For a 1-2 topping level, the minimum is 1.

6. Type the **maximum number of toppings** allowed for this pizza topping level. When this pizza reaches more toppings than this number, the system moves to the next highest pizza topping level. For a 1 to 2 topping level, the maximum is 2.
7. Click **Save**.
8. Repeat this **procedure** for any other pizza topping levels.
9. Click **Save** and exit the **Pizza Topping Level** function.

Configuring modifier codes to include for the pizza topping depletion matrix

On a pizza, when you apply a modifier code to a topping, the amount of the topping could either increase or decrease depending on your operations. You can include up to four modifier codes in the pizza topping depletion matrix to reflect an adjustment in depletion.

To include a modifier code in pizza topping inventory depletion:

1. Select **Maintenance > Menu > Modifier Codes**.
2. Select a **modifier code** you want to include in the pizza topping inventory depletion matrix from the drop-down list.

The screenshot shows the 'Modifier Codes' form with the 'Settings' tab selected. The 'Modifier Code' dropdown is set to '21 Less'. The 'Settings' section contains the following fields:

Number	21	...
Description	Less	
Display name	Less	
Active	<input type="checkbox"/>	
Indicator	-	
Quantity	1	
Display graphical modifier image	None	▼
Use graphical modifier color	<input type="checkbox"/>	
Used in pizza matrix	<input checked="" type="checkbox"/>	

The 'Used in pizza matrix' checkbox is highlighted with a red circle.

Figure 78 Modifier Codes - Used In Pizza Matrix

3. Under the 'Settings' group bar, select **Used in pizza matrix**. An additional column appears in Maintenance > Menu > Items > Pizza Topping Matrix tab. Clear this option, if you do not want to include this modifier code in the pizza matrix.
4. Click **Save**.
5. Repeat this **procedure** for any other modifier code you want to include in the pizza topping depletion matrix.
6. Exit the **Modifier Codes** function.

Attaching a pizza size to a pizza item

As stated earlier, the size of the pizza should already be defined at the item level. You must now attach the pizza size you created in Pizza Size Maintenance with the corresponding pizza item in Item Maintenance. Additionally, you must denote the number of initial toppings that come on the pizza, by default. This procedure assumes the pizza items are already created.

To attach a pizza size to a pizza item:

1. Select **Maintenance > Menu > Items**.
2. Select a **pizza item** from the drop-down list.

Items	
Item: 30013 Veggie Lovers Food	
Item Modifier Pricing General Settings Print Display Options Quick Count Dynamic Modifiers Included Topping Matrix SKU Numbers	
Settings Assignments Auto menu Advanced Pizza	
Topping	<input type="checkbox"/>
Pizza	<input checked="" type="checkbox"/>
Fraction	<input type="checkbox"/>
Fraction pricing override	None
Initial Topping	4
Size	Medium
Sum of fractions must equal a whole	<input type="checkbox"/>

Figure 79 Items - Attaching a Pizza Size to a Pizza Item

3. Under the 'Pizza' group bar, select **Pizza**, if it is not already selected. Additional options appear within the group bar.
4. Type the **number of initial toppings** that come on the pizza by default in the 'Initial Topping' text box. For example, if a Veggie Lovers pizza has four toppings, then type '4.'
5. Select the **size of the pizza** from the 'Size' drop-down list. **Note:** This option does not denote the size of the pizza at the item level for order entry.
6. Click **Save**.
7. Repeat this **procedure** for all other pizza items you have.
8. Continue to the **next procedure**.

Configuring an included topping matrix for pizza items

After configuring pizza sizes and pizza topping levels, you must add the topping items to the Included Topping Matrix. When you define an item as 'Pizza,' then the Included Topping Matrix Tab appears. This procedure assumes the pizza items are already defined.

Note: You must define a topping item (Included Modifiers) as an included modifier and as a topping before you can add the item to the matrix.

To configure a pizza topping matrix:

1. Select **Maintenance > Menu > Items**.
2. Select a **topping** from the drop-down list.
3. Under the 'Pizza' group bar, select **Topping**, if it is not already selected. The Pizza Topping Matrix tab appears.
4. Select the **Included Topping Matrix** tab.
5. Maximize the **screen** to view all the columns on the matrix, if it is not already maximized.
6. Click **Add** to create an included topping matrix record.

Topping	Topping level	Whole qty	1/2 qty	1/3 qty	1/4 qty	No%	Extra%
Pepporoni	Medium	1.0000	0.5000	0.3333	0.2500	-100	50

Figure 80 Included Topping Matrix Tab

7. Select an **included modifier topping** from the 'Topping name' drop-down list.
8. Type the **unit of measure** in which you weigh or dispense the topping, such as each, ounce, slice, and more.

9. Select a **topping level** you created in Pizza Topping Level Maintenance, such as 1'-2 Toppings.'
10. Type the quantity or amount you use for the **whole topping**, in relation to the size and topping level in place. Once you enter a value, the system automatically populates the '1/2 qty,' '1/3 qty,' and '1/4 qty' columns for you.
11. Verify or change the **quantity or amount** you use for the topping when ordered on **half** of the pizza. This option automatically populates based on the following calculation: 'Whole qty' / 2. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.
12. Verify or change the **quantity or amount** you use for the topping when ordered on a **third** of the pizza. This option automatically populates based on the following calculation: 'Whole qty' / 3. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.
13. Verify or change the **quantity or amount** you use for the topping when ordered on a **quarter** of the pizza. This option automatically populates based on the following calculation: 'Whole qty' / 4. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.
14. Type the **percentage**, from -100 to 999, to apply to the topping when you apply the corresponding modifier code with the included modifier topping. Type percentage values such as 50% to indicate half of the regular depletion, 100% to indicate no change in depletion, 200% to double the regular depletion, and more. You must select 'Used in pizza matrix' in Maintenance > Menu > Modifier Codes > 'Settings' group bar to enable a modifier code to be included in the pizza topping depletion matrix and to have a column appear.
15. Type the **percentage**, from -100 to 999, to apply to the topping when you apply the corresponding modifier code with the included modifier topping. Type percentage values such as 50% to indicate half of the regular depletion, 100% to indicate no change in depletion, 200% to double the regular depletion, and more. You must select 'Used in pizza matrix' in Maintenance > Menu > Modifier Codes > 'Settings' group bar to enable a modifier code to be included in the pizza topping depletion matrix and to have a column appear.

16. Repeat **Steps 6 through 15** to create additional topping matrix records that coincide with the pizza size per pizza included modifier topping level.

Tip: Before you save, you have the one-time opportunity to propagate the pizza matrix configuration to the other items, as long as you have already created the pizza topping IDs. To do this, click the 'Save' drop-down arrow and select 'Save to this and other records...' On the 'Save to other records dialog\ box, select Update for the toppings you want to inherit the pizza matrix. Once the pizza matrix is propagated, you can alter the matrix, as needed, If you matrices are too varied for each topping, you may choose to create the other matrices from scratch.

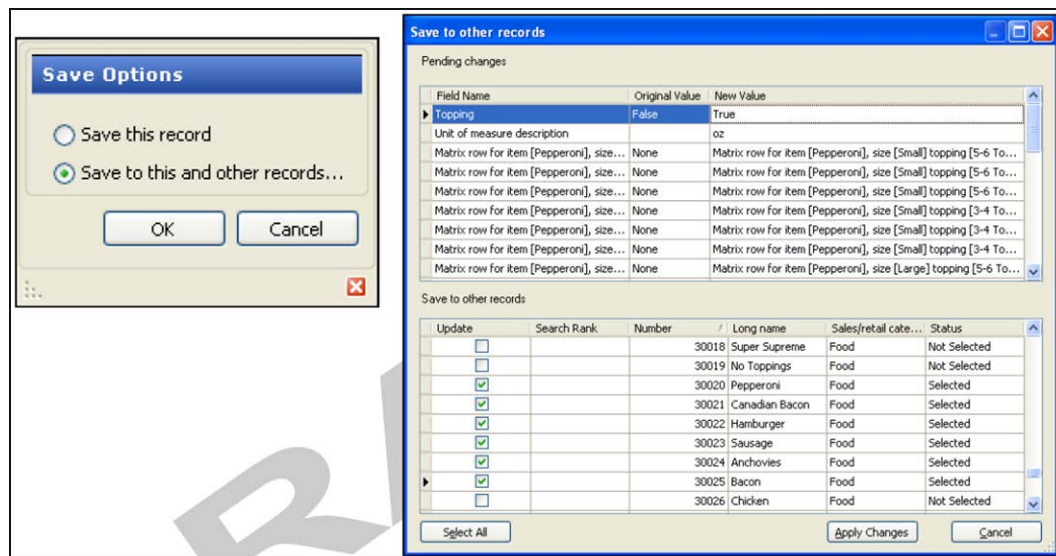


Figure 81 Propagating the Pizza Matrix

17. Click **Save**.
18. Repeat this **procedure** for all other pizza items you offer.
19. Exit the **Items** function.

Configuring a matrix for pizza toppings

Once you configure the pizza sizes and pizza topping levels, you must input them into the pizza matrix for each pizza topping you offer. This procedure assumes the pizza items are already created.

To configure a pizza topping matrix:

1. Select **Maintenance > Menu > Items > Item** tab.
2. Select a **pizza topping** from the drop-down list.

3. Under the 'Pizza' group bar, select **Topping**, if it not already selected. The Pizza Topping Matrix tab appears.
4. Select the **Pizza Topping Matrix** tab.
5. Maximize the **screen** to view all columns of the matrix, if it is not already maximized.
6. Type the **unit of measure** in which you weigh or dispense the topping, such as 'each,' 'ounce,' 'slice,' and more.
7. Click **Add** to create a topping matrix record.

Item - (Standard)—Pepperoni*

Item: 30020 Pepperoni Food

Item

Modifier

Pricing

General Settings

Print

Display Options

Dynamic Modifiers

Pizza Topping Matrix

Settings

Unit of measure description

oz

Topping Matrix

Pizza size	Topping level	Whole qty	1/2 qty	1/3 qty	1/4 qty	Less %	More %
Small	1-2 Toppings	6.0000	2.5000	1.6667	1.2500	50	200
Small	3-4 Toppings	5.5000	2.2500	1.5000	1.1250	50	200
Small	5-6 Toppings	5.0000	2.0000	1.3333	1.0000	50	200
Medium	1-2 Toppings	5.0000	3.0000	2.0000	1.5000	50	200
Medium	3-4 Toppings	4.5000	2.2500	1.5000	1.1250	50	200
Medium	5-6 Toppings	4.0000	2.0000	1.3333	1.0000	50	200
Large	1-2 Toppings	4.0000	2.0000	1.3333	1.0000	50	200
Large	3-4 Toppings	3.5000	1.7500	1.0000	0.7500	50	200
Large	5-6 Toppings	3.0000	1.5000	1.0000	0.7500	50	200

Figure 82 Pizza Topping Matrix

8. Select a **size of the pizza** to coincide with the applicable topping level, such as Small.
9. Select a **topping level**, such as '1-2 Toppings.'
10. Type the **quantity** or **amount you use for the whole topping** in relation to the size and topping level in place. Once you enter a value, the system automatically populates the '1/2 qty,' '1/3 qty,' and '1/4 qty.' columns for you.
11. Verify or change the **quantity** or **amount you use for the topping when ordered on half of the pizza**. This option automatically populates based on the following calculation: 'Whole qty' / 2. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.
12. Verify or change the **quantity** or **amount you use for the topping when ordered on a third of the pizza**. This option automatically populates based on the following calculation: 'Whole qty' / 3. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.
13. Verify or change the **quantity** or **amount you use for the topping when ordered on a fourth of the pizza**. This option automatically populates based on the following

calculation: 'Whole qty' / 4. If your operation uses a calculation other than a straight divisor, you can change the value, as needed.

14. Type the **percentage**, from -100 to 999, to apply to the topping when you apply the corresponding **modifier code** with the topping. Type percentage values, such as 50% to indicate half of the regular depletion, 100% to indicate no change in depletion, 200% to double the regular depletion, and more.
15. Repeat **steps 7 through 14** for all modifier codes you included in the pizza topping depletion matrix.
16. Repeat **steps 6 through 14** to create additional topping matrix records that coincide with the pizza size per pizza topping level.

Tip: Before you save, you have the one-time opportunity to propagate the pizza matrix configuration to the other items, as long as you have already created the pizza topping IDs. To do this, click the 'Save' drop-down arrow and select 'Save to this and other records...' On the 'Save to other records dialog\ box, select Update for the toppings you want to inherit the pizza matrix. Once the pizza matrix is propagated, you can alter the matrix, as needed, If you matrices are too varied for each topping, you may choose to create the other matrices from scratch.

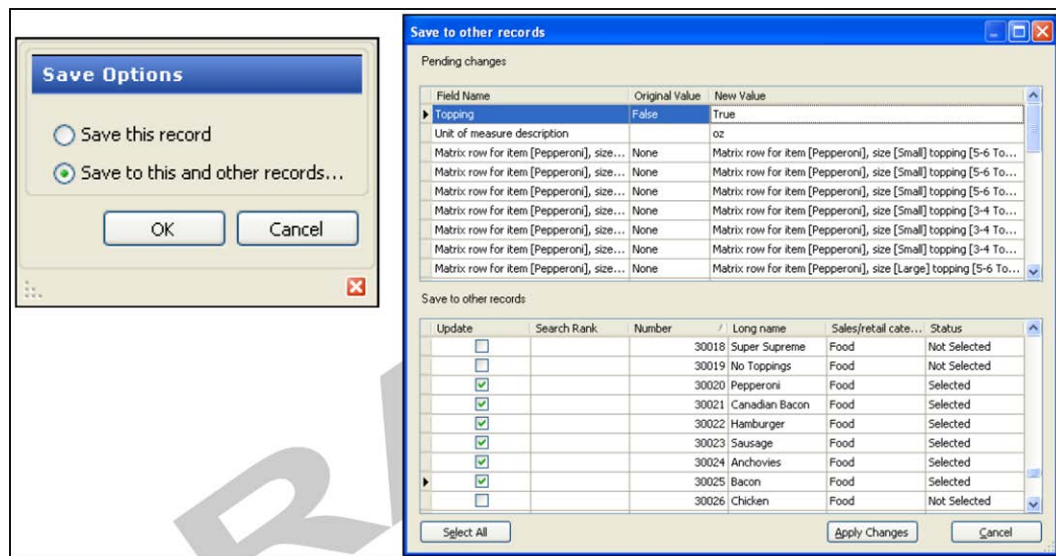


Figure 83 Propagating the Pizza Matrix

17. Click **Save**.
18. Repeat this **procedure** for all other toppings you offer.
19. Click **Save** and exit the **Items** function.

Determining depletion for pizza items based on parent item or fractions

When the POS Grind process determines the amount to deplete inventory for a pizza item ordered as a fraction, such as a large build-your-own pizza ordered as half Meat Lover's/half Supreme, the system bases the inventory depletion using the size of the parent item (Large BYO), not the actual fraction ordered. In the example used here, if the recipe for a large Meat Lover's pizza calls for 20 slices of pepperoni, the system removes 20 slices of pepperoni from inventory instead of only the 10 slices needed to make half of a large build-your-own Meat Lover's pizza. As of POS v12.3, you can configure the system to deplete inventory for a pizza item based on the size of the actual fraction ordered.

To configure the grind process to deplete inventory for pizza items:

1. Select **Maintenance > Business > Store**.
2. Select the **Store Settings** tab.
3. Select the **System** group from the bottom of the screen.

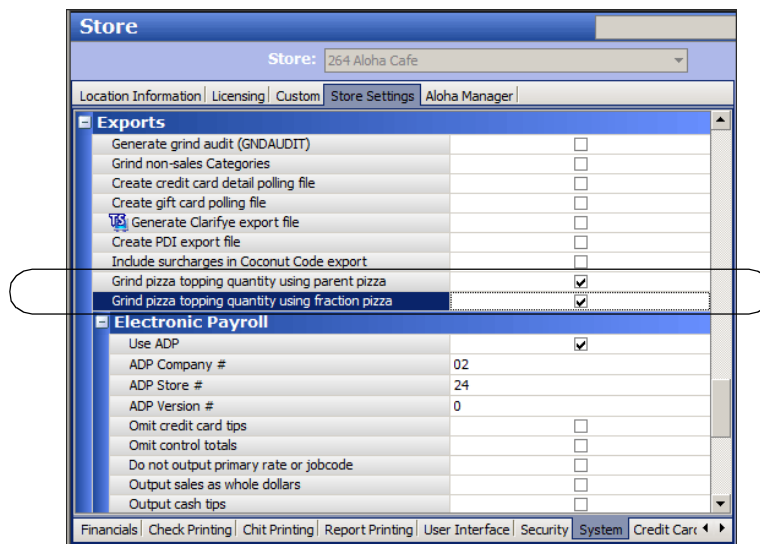


Figure 84 Store Settings - System Group - Exports Group Bar

4. Under the 'Exports' group bar, select **Grind pizza topping quantity using parent item** to enable grind to deplete inventory for specialty pizzas based on the size of the parent item. For example, if a guest orders a large Meat Lover's specialty pizza, the system depletes the inventory for a whole Meat Lover's pizza because the specialty pizza item is the parent item; if a guest orders a large build-your-own pizza, half Meat Lover's / half Supreme, the system depletes the inventory based on the parent item of Large BYO. Use this option if you do not sell fractional pizzas.
5. Select **Grind pizza topping quantity using fraction pizza** to enable the Grind process to deplete inventory for specialty pizza items based on the fraction of the pizza item

ordered by the customer rather than the size of the parent item. For example, if a guest orders a large build-your-own pizza, half Meat Lover's /half Supreme, the system depletes the inventory based on half a Meat Lover's pizza and half a Supreme pizza. Use this option if you sell fractional pizzas.

6. Click **Save** and exit the **Stores** function.

Refreshing the data

After all settings are in place in Aloha Manager, you must select Utilities > POS > Refresh POS & All Installed Products to transfer the new information to the FOH terminals, or wait for the End-of-Day (EOD) process to accomplish the data refresh for you. If you run the refresh prior to the EOD process, select 'Automatically restart all POS terminals' and click OK to continue. After the data refresh is complete, all new settings become operational across the Aloha network.



Caution: Refresh data with caution and never during peak hours of operation. All FOH terminals reboot during a refresh and are down for a short period of time.

Outputting pizza topping depletions

Once the pizza topping depletion matrix is set up and you order pizzas in the FOH, the system outputs the quantities of toppings to the QtyUnit column in GndItem.dbf. Inventory programs, such as NCR Back Office, can map to the column and retrieve the correct usage of the topping.

Reporting Advanced Pizza in TS

The system reports pizza the same as any other item. On the PMix report, the system uses weights when calculating fractional toppings and fractional pizzas.

Base topping or pizza	1.00
Half topping or pizza	0.50
Third topping or pizza	0.33
Quarter topping or pizza	0.25

Troubleshooting Advanced Pizza in TS

We offer the following troubleshooting tips with fractional pizzas and toppings:

Toppings are ordered without a pizza menu item

When entering an order for a fractional pizza, you must begin with a fractional pizza menu item, such as Halves MD, and then make the selections for each fraction of the pizza. If instead you begin by adding pizza toppings, the system will allow this but cannot calculate the price of the pizza correctly. For example, when a guest orders a medium pizza, half Supreme, and half BYO, after selecting Supreme MD for the first half, you could easily make the mistake of selecting the toppings for the BYO without selecting the BYO MD pizza menu item first. You can safeguard against this through panel design and limiting the accessibility to the toppings until they are needed. Refer to “Designing Your FOH Screens for Fractional Pizzas” on page 41 for more information.

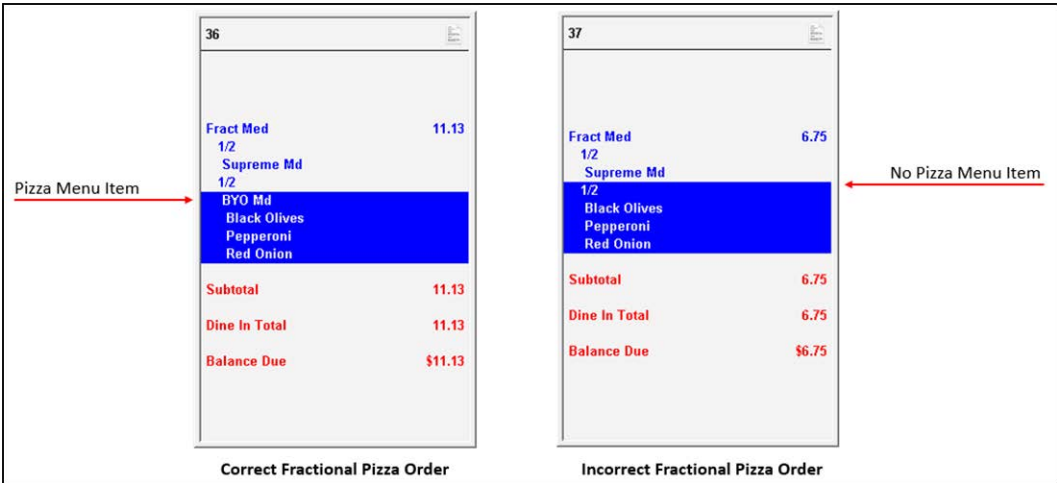


Figure 85 Fractional Pizza s - Correct (Left) and Incorrect (Right)

Unable to mix pizza fractions on a pizza

On fractional pizzas, you can only mix a half and two quarters to complete a pizza. For fractional pizzas and fractional toppings in thirds, you can only add another third. If you try to mix a third with either a quarter or half fraction, a message appears.

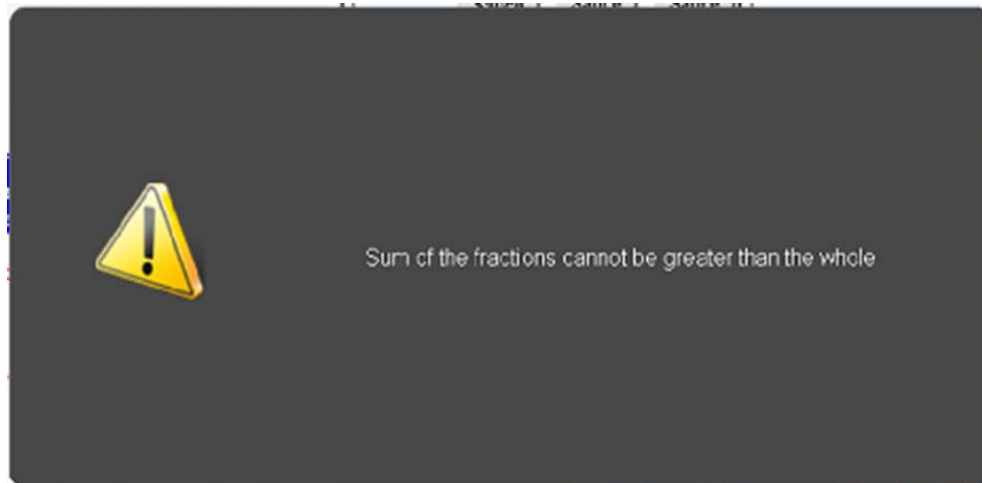


Figure 86 Sum of Fractions Cannot be Greater Than the Whole Pizza

Fractional pizza requires more pizza fractions

If the total of the fractions does not equal a whole pizza, you must add the necessary pizza fractions until it does.

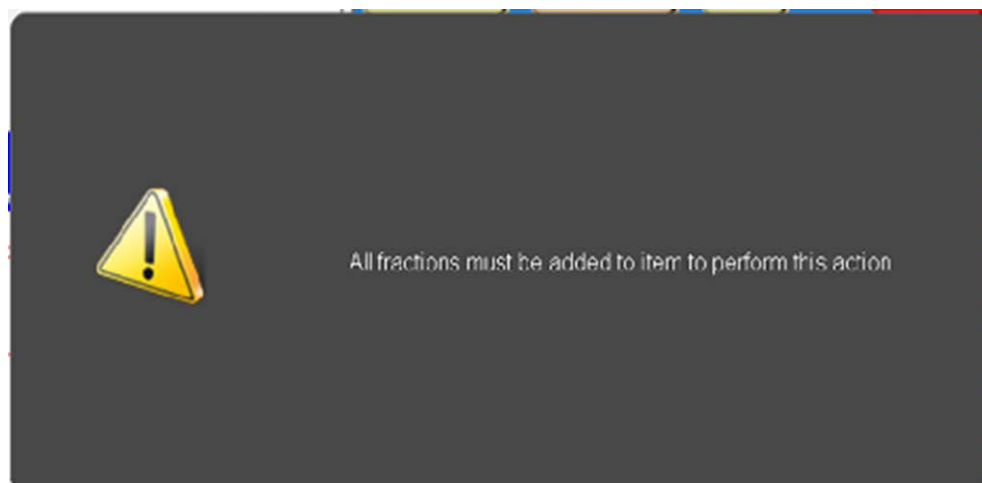


Figure 87 All Fractions Must be Added to Item to Perform This Action

Advanced Pizza in TS

NCR welcomes your feedback on this document. Your comments can be of great value in helping us improve our information products. Please contact us using the following email address: Hospitality.HSR@ncr.com

