PixelPoint®

ChefXML

Select Electronics Kitchen Display System

Publication Details

Patents
The following patents apply to some areas of functionality within the PixelPoint software suite: Pat. 6,384,850; 6,871,325; 6,982,733; 8,146,077; 8,287,340

Revision History

03/02/2018 – Revision 3
Functionality changes & updated screenshots.
01/13/2015 -Revision 2
Minor Content Updates and Screen Shot updates
04/19/2012 -Revision 1
New File Version Changes
02/28/2012 -Revision 0
Initial Release

Table of Contents

Overview

This guide will help you configure Select Electronics ChefXML Kitchen Display System (KDS) to work with PixelPoint POS. PixelPoint POS and ChefXML must be installed on the system prior to following these instructions.

Requirements

- PixelPoint POS minimum v 18.3.14.309
- PixelKDS.exe v 18.3.14.309
- PixelKDS.ini
    - Updated ini file supplied by PixelPoint as of 3/2/2018.
- ChefXML.ini

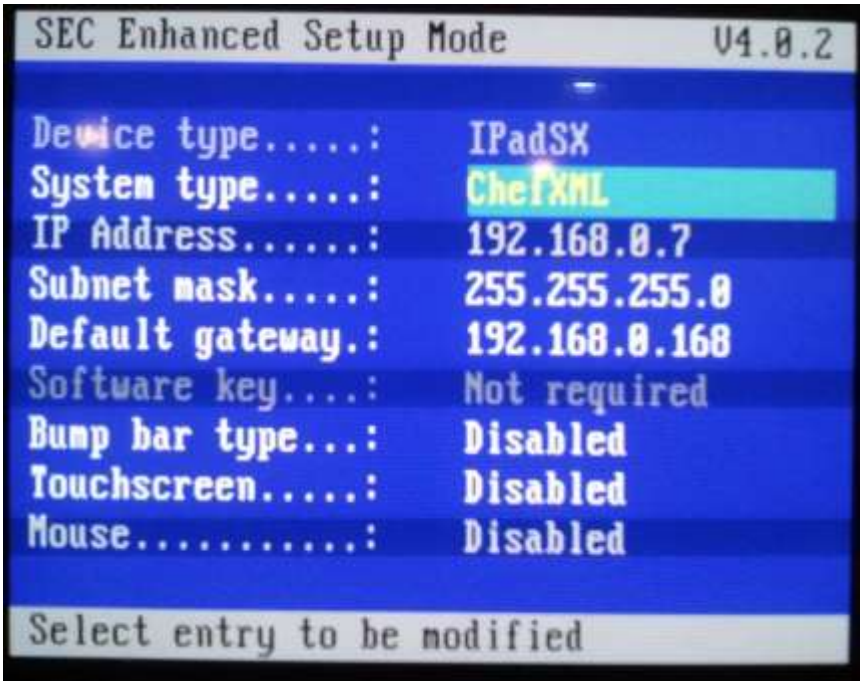
Note: This integration will function in PixelPoint 12.3, though PixelPoint 18.3.14.x or higher is required to make use of all KDS features (for example, split cheques).

Hardware Configuration

To set up a KDS, the controller unit must first be configured:

1. Plug a keyboard into the iPAD KDS controller and connect to the network.
2. Power up the system. Ensure that the latest firmware version is installed on the controller, updating if necessary.

The iPAD monitor will now display the SEC Enhanced Setup Mode screen.



3. Set System type to "ChefXML".
4. Enter the network IP address for this KDS. As an example, a network may have Video 1 at "192.168.0.7", Video 2 at "192.168.0.8", etc.
5. Unplug the keyboard and reboot the system (by removing and reseating the power cable).

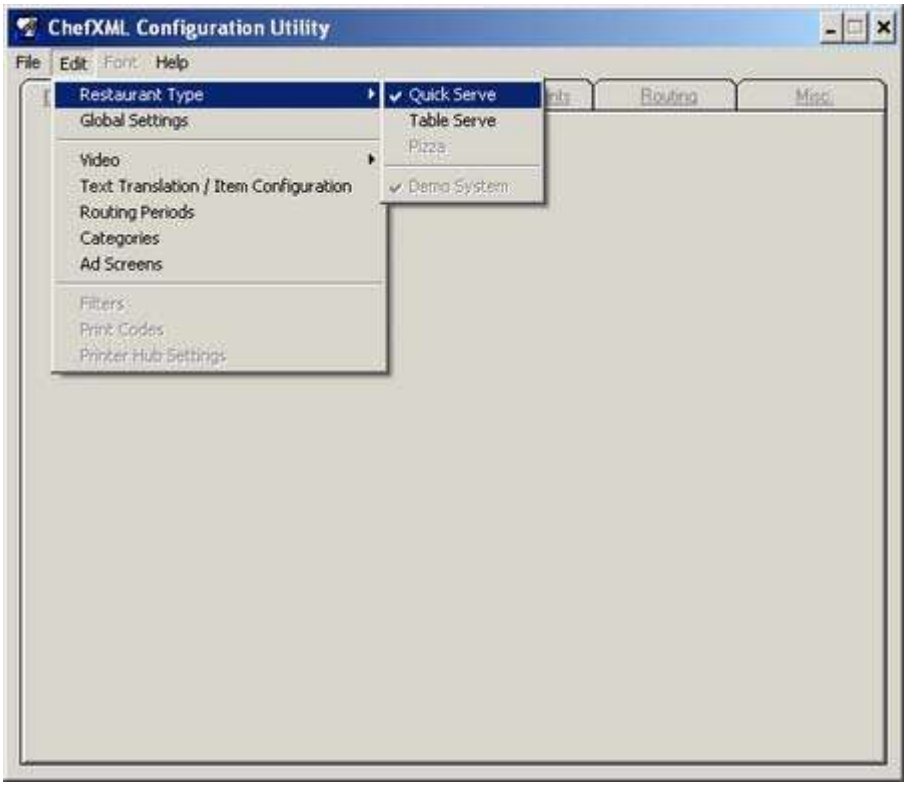
The iPAD controller will be ready at this point, and the screen on the monitor should look like the one in the image below.

ChefXML Software Settings

Before modifying the ChefXML settings, install the latest versions of the ChefXML.exe files from Select Electronics by visiting www.selectelectronics.com/download.htm. For installation assistance and help concerning the latest file versions, consult their documentation or contact them for help.

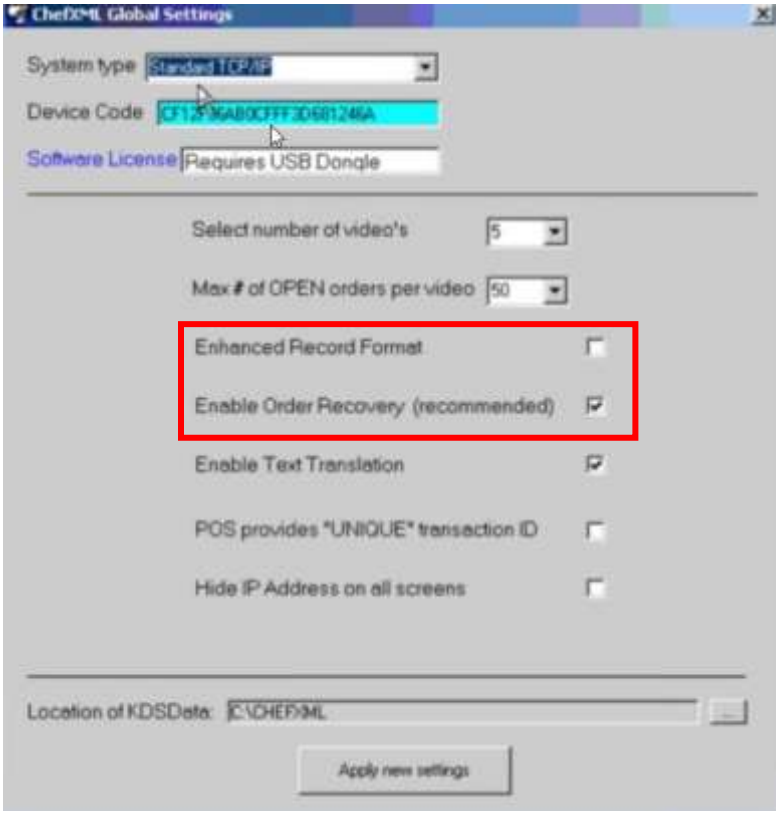
Restaurant Type

In the ChefXML Configuration Utility, choose Quick Serve as the Restaurant Type in the Edit menu. This is the only option supported for use with PixelPoint POS.



Global Settings

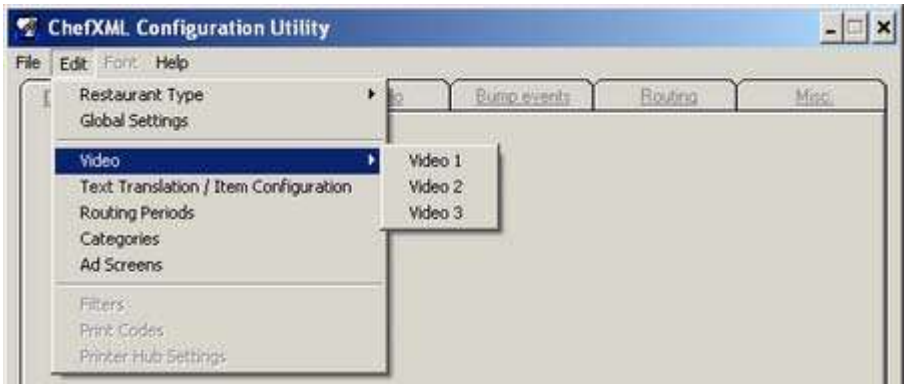
Open the Global Settings window from the Edit menu.



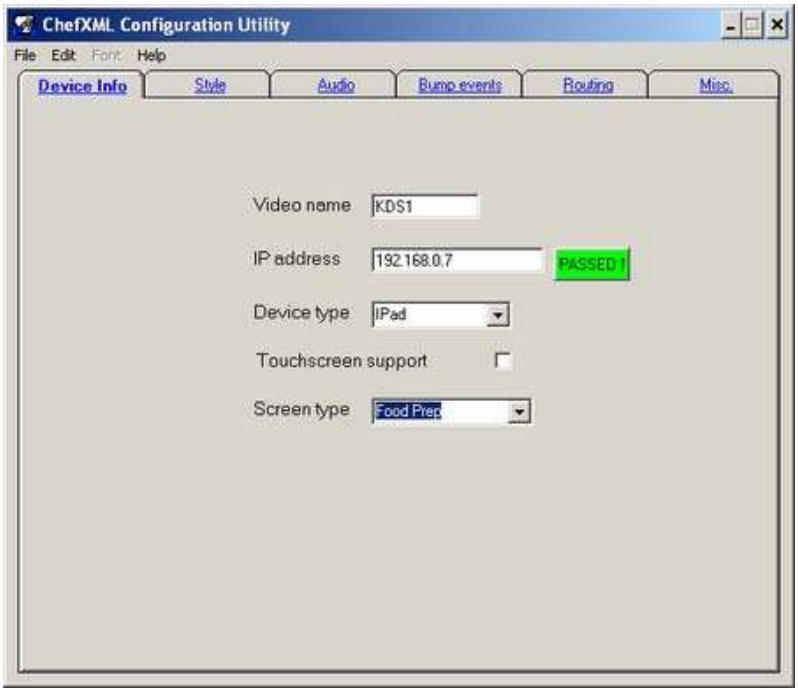
1. Set the System type to "Standard TCP/IP".
2. Email the Device Code to Select Electronics to attain a software key (support@selectelectronics.com). A key is not required if you will be using Demo Mode for testing.
3. Enter the Software Key provided by SEC in the Software Key field. This key is not required if you are using Demo Mode for testing.
4. Select the number of videos and open orders from the appropriate drop-down menus.
5. Set the location of KDSData to the ChefXML folder on the system.
6. Ensure Enhanced Record Format is disabled.
7. Enable the Enable Order Recovery option.
8. Select [Apply new settings].

Video

Each display configured in the system will show up in the Edit menu under Video.



1. Select a display from the sub-menu to open the configuration options for that display.



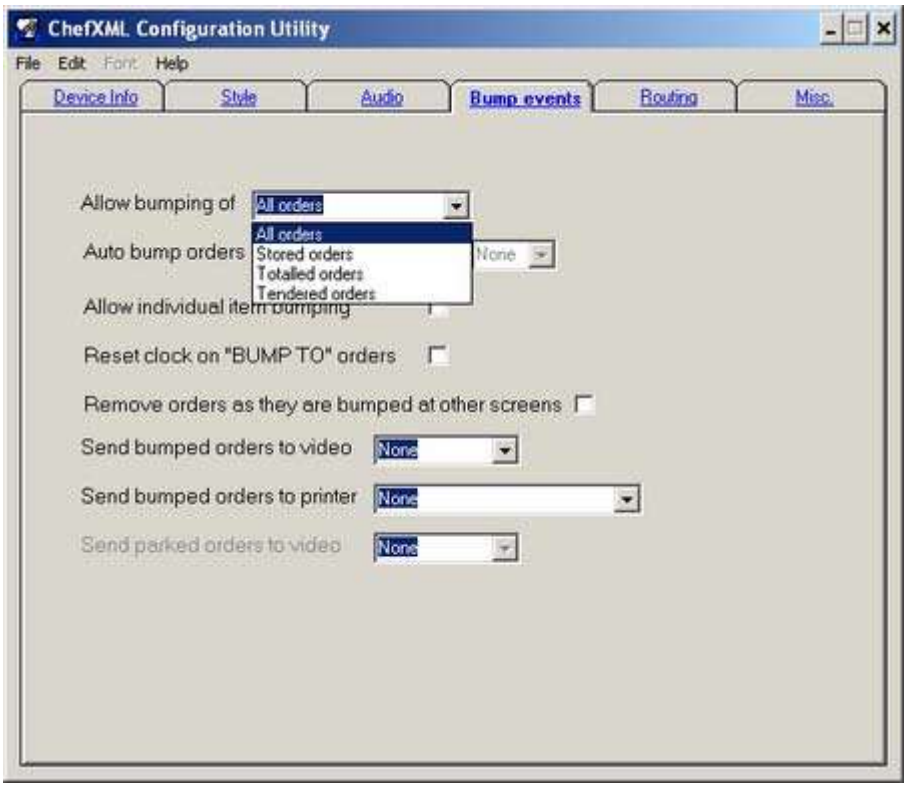
2. Enter a name for the display in the Video name field.
3. Enter the same IP address used in Hardware Configuration into the IP address field.
4. Customize your other options and then exit this window, saving changes.

Bumping Orders

By default, all orders in the KDS by can be bumped regardless of their status. ChefXML can be customized to limit bumping based on the status of an order.

To customize bumping based on order status:

1. Open the ChefXML Configuration Utility.
2. Navigate to the Bump events tab.



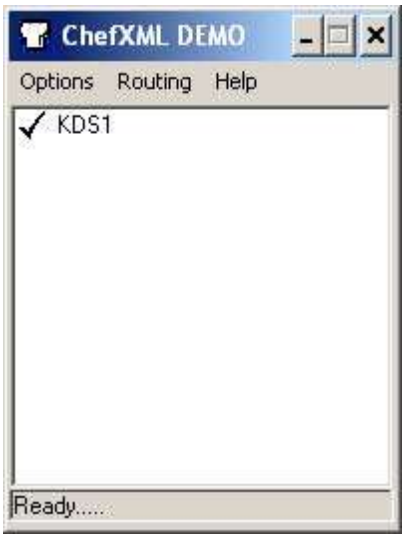
3. Choose the type of orders that are allowed to be bumped from the first drop-down menu. There are four options to choose from.

All Orders	Any order can be bumped from the POS.
Stored Orders	Only orders saved in the POS (using the [Save Check] or [Leave Table] buttons) can be bumped.
Totaled Orders	Only orders that have been sent to the kitchen can be bumped.
Tendered Orders	Orders can only be bumped after the POS has approved and finalized payment.

4. Exit this window, save changes, and repeat these steps for all video monitors.

Running ChefXML.exe

1. Create a shortcut to ChefXML.exe (in the ChefXML folder on the system) and place it in the Windows Startup folder so that it will run at system startup.
2. Run ChefXML.exe and minimize the window when it appears.



The ChefXML setup is now complete. Move on to the next section to begin configuring with PixelPoint POS.

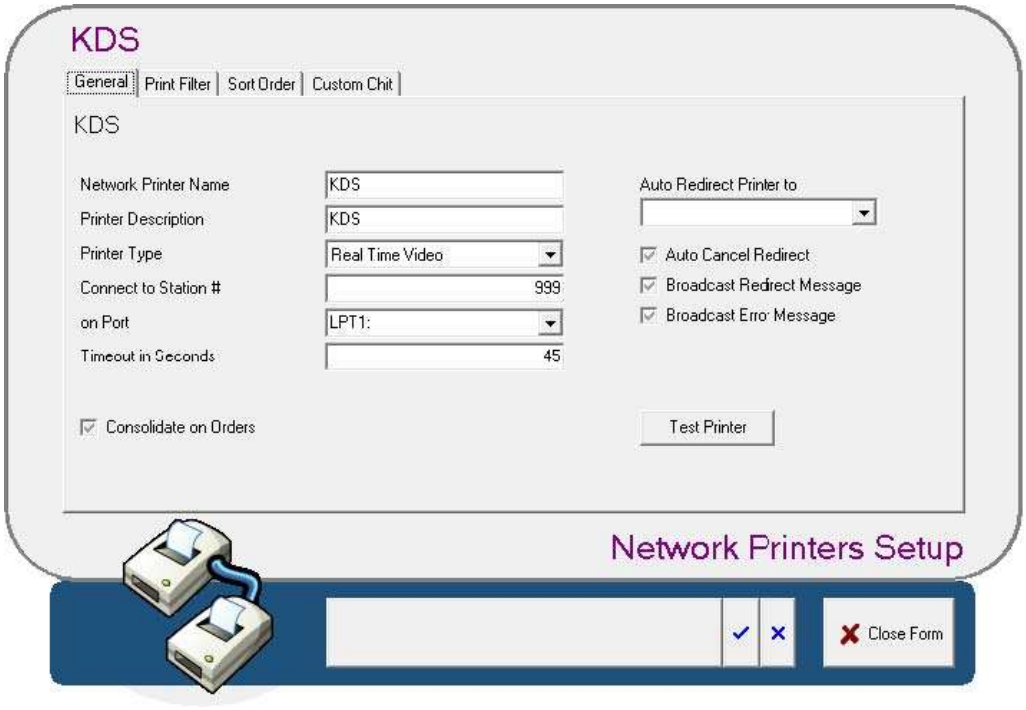
PixelPoint POS Setup

The following section describes the steps required to configure the ChefXML KDS with PixlPoint POS.

Network Printer Configuration

Open BackOffice and follow these steps to configure the KDS as a network printer:

1. From the Administrator drop down menu, select Network Printer Setup.
2. Create a new printer record using the [+] button.
3. Give the network printer a name without using spaces and with no more than 8 characters.
4. Select a printer type from the Printer Type options. Use "Real Time Video" if you want to run the KDS in Real Time mode. (See the Policies section below for more information.)
5. In the Connect to Station # field, specify a station number that is not in use (such as "999").
6. Choose an unused port from the Port drop down list.
7. Save the newly created printer record and close the form.



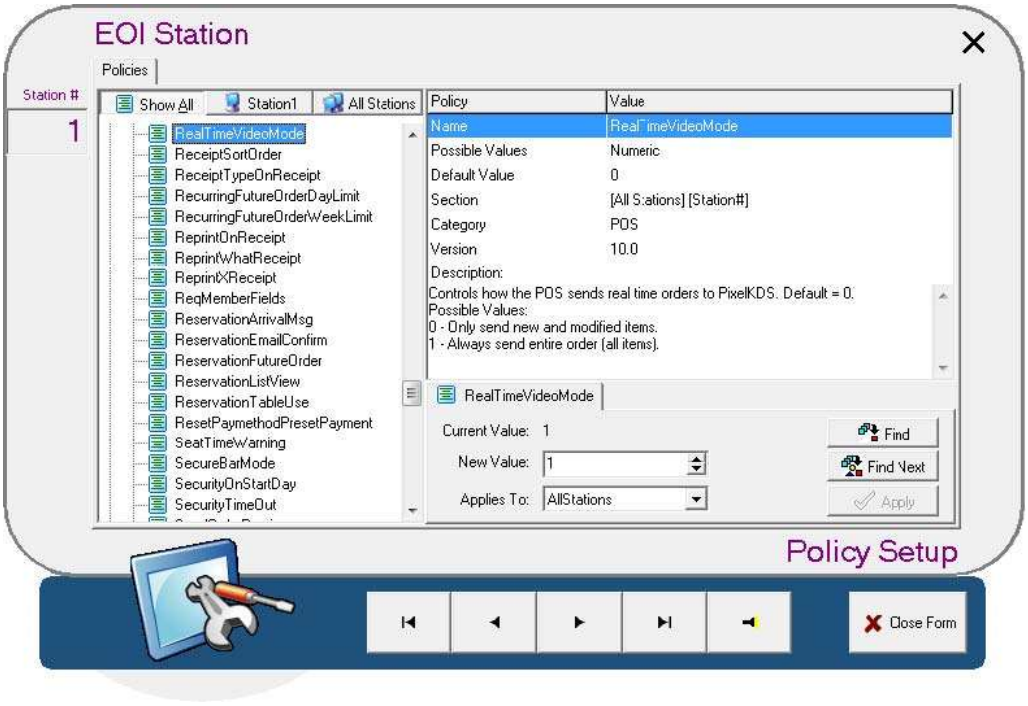
Note: If you are configuring multiple KDS monitors, create multiple network printer records using different names, like "KDS2", "KDS3", etc. Connect to different unused station numbers, like "998", "997", etc.

Policy Setup

To control how the POS sends real time orders to PixelKDS, modify the RealTimeVideoMode policy in Policy Setup.

From BackOffice:

1. Open Policy Setup from the Administrator drop-down menu.
2. Locate the RealTimeVideoMode policy using the [Find] button, or by scrolling through the POS policies folder. Set its value to 1 so that entire orders will be sent to the KDS.
3. Select [Apply] and close the form.

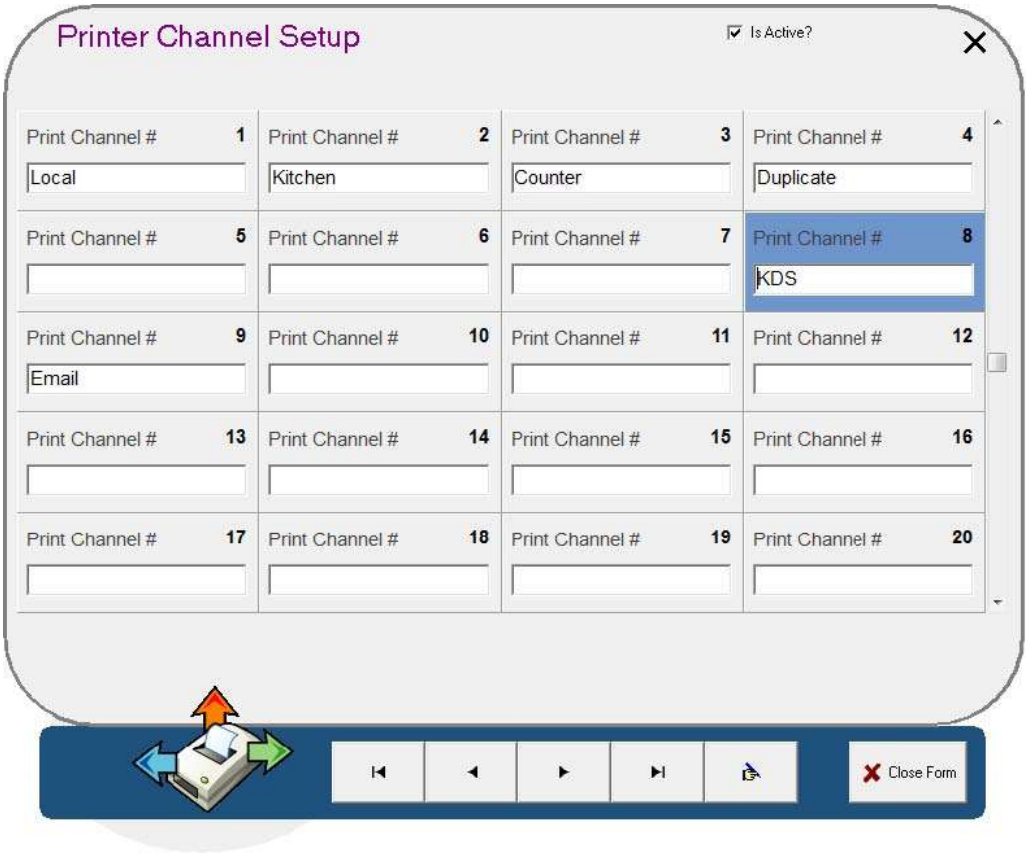


Printer Channel Configuration

A printer channel will need to be set up before stations will be able to print to the KDS.

From BackOffice:

1. Open Printer Channel Setup from the Administrator drop-down menu.
2. Designate a printer channel for the KDS use. We used "KDS" in the example below.
3. Save changes and close the form.

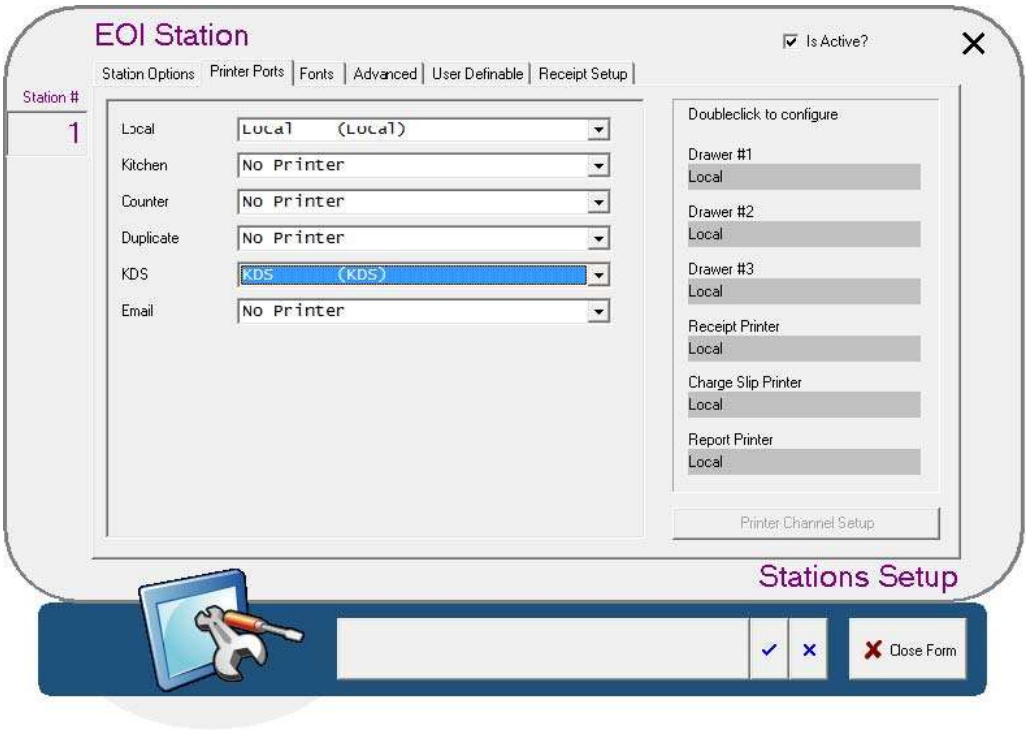


Station Setup Configuration

Now that a network printer and printer channel have been created for the KDS, stations will need to be configured to make use of them.

From BackOffice:

1. Open Station Setup from the Administrator drop-down menu.
2. Verify that every station in use has a check mark beside "Print Type of Sale on Orders".
3. Switch to the Printer Ports tab and select the KDS printer (created during Network Printer Configuration) from the KDS printer channel list.



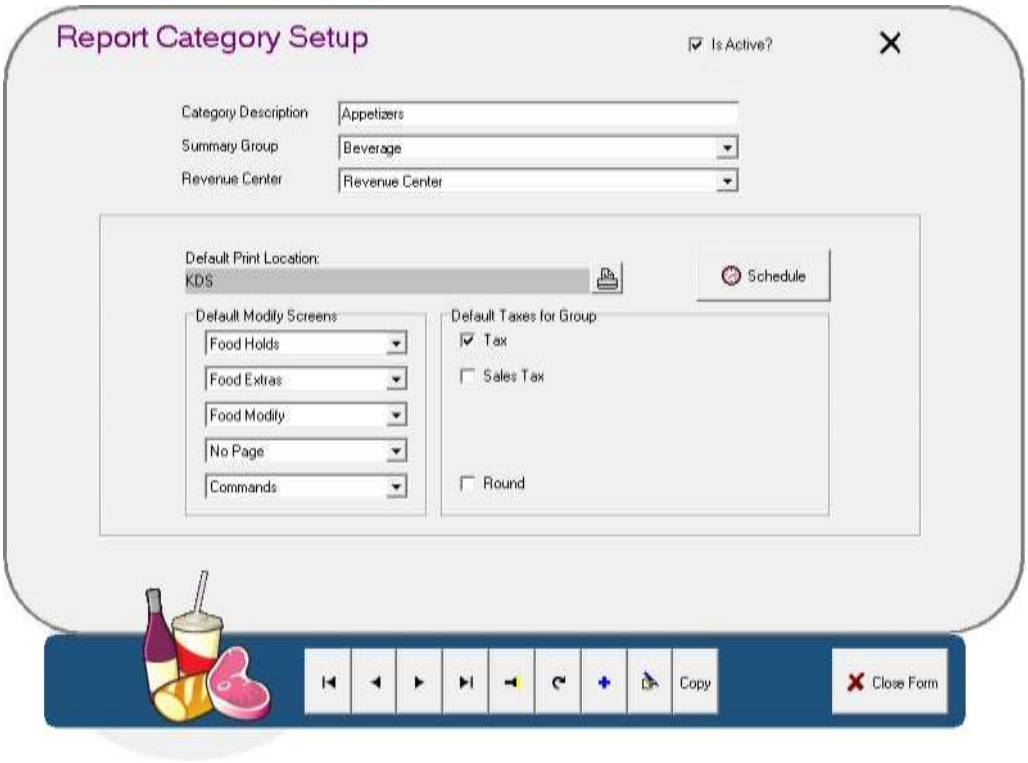
4. Save changes and repeat for all stations with a KDS monitor attached.

Configure Report Categories

The KDS printer channel needs to be assigned to each report category that is to be displayed on the KDS. This is done using Report Category Setup.

From BackOffice:

1. Select Report Category Setup from the Products drop-down menu.
2. Select the report category to be printed and add the KDS printer channel as the Default Print Location by selecting the  icon and selecting the KDS printer channel.



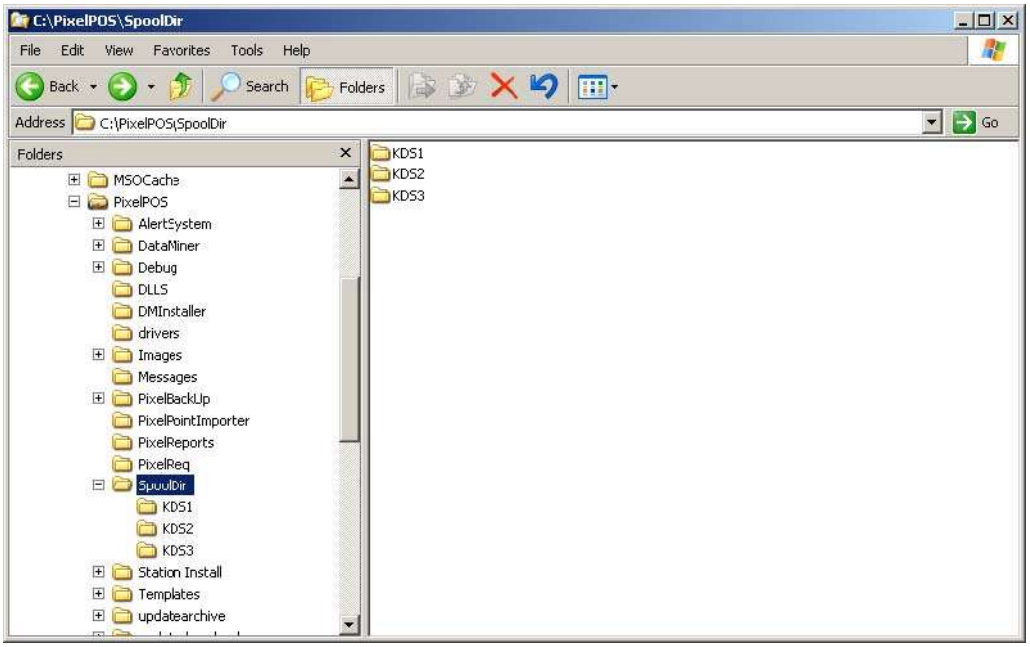
3. Save changes and repeat for all report categories with products that are to display on the KDS monitor(s).

PixelPoint POS Configuration

PixelKDS manages how PixelPoint POS interfaces with the KDS and must be configured for this integration to work.

Begin configuring PixelKDS by opening the Windows file system browser (Explorer).

1. Copy PixelKDS.exe and PixelKDS.ini from the PixelPOS folder to the ChefXML folder.
2. Create a shortcut to PixelKDS.exe and place it in the Windows Startup folder so that it will run at system startup.
3. Create a sub-folder called "SpoolDir" in the PixelPOS folder (if it does not exist already).
4. Create a folder within SpoolDir for each KDS monitor, using the names assigned in the previous section, Network Printer Configuration.

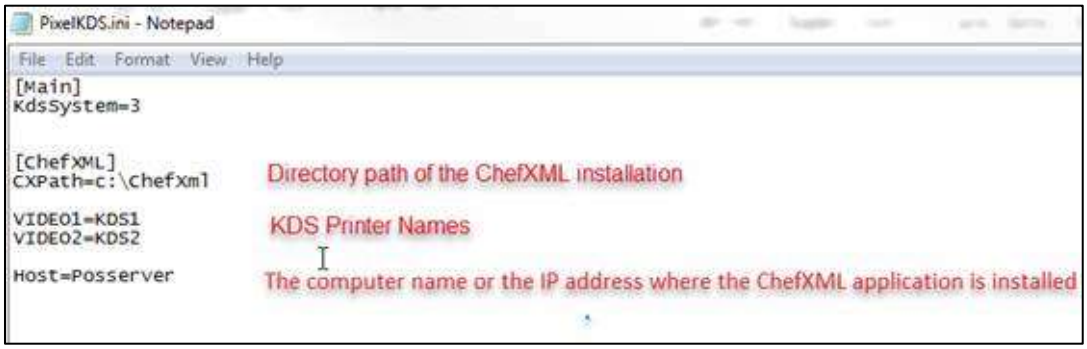


Configure PixelKDS.ini

The network printer(s) configured above must be associated with the proper displays so that orders sent from the POS will be spooled by PixelKDS and sent to the proper monitor. This is done using the PixelKDS.ini file.

PixelKDS.ini can be used for any certified PixelPoint KDS solutions, such as the one below. Solutions are followed by their "KDSSystem = " value. A copy of PixelKDS.ini is provided with this document with the entries shown below already entered.

Since this KDS is a Select Electronics system, make sure that PixelKDS.ini has "KDSSystem=3" under the "[Main]" subsection. Below is an example of a PixelKDS.ini file where two monitors are configured for use. Note that the (default) ChefXML path shown below is mandatory for bumping functionality to work.

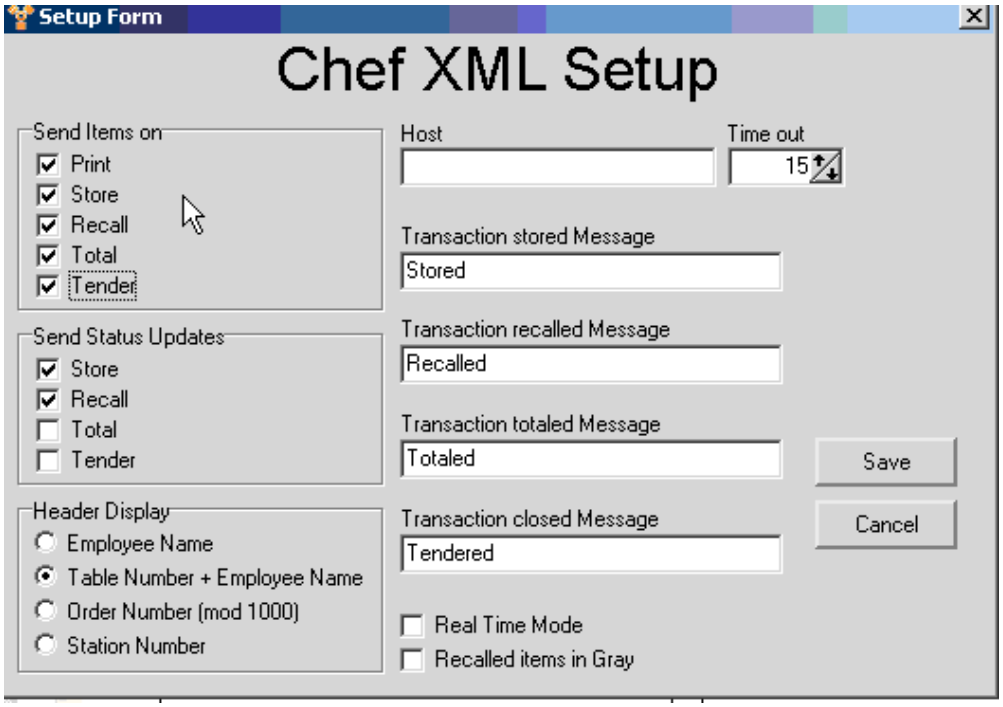


Changes will take affect after they have been saved and the system has been restarted.

Configuring the Display in PixelKDS

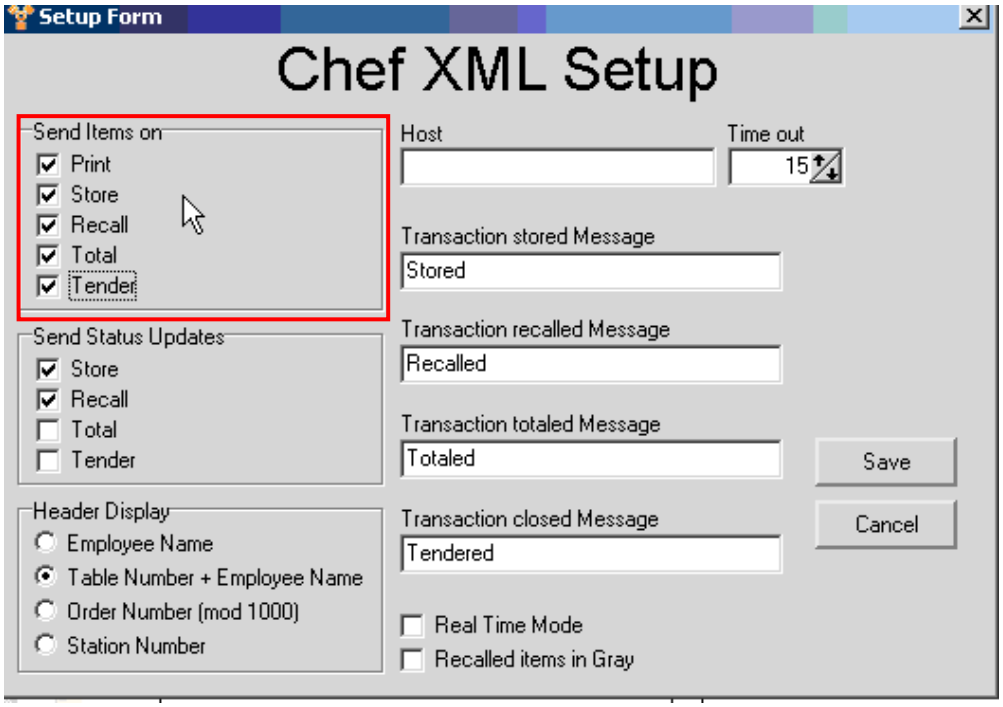
PixelKDS is used to configure the KDS screens, managing both appearance and functionality. Before running the KDS, configure your settings in PixelKDS.

1. Start PixelKDS and maximize the program.
2. Select [Setup] and change settings as required.



Send Items On

The top-left corner of the PixelKDS Setup screen has four "Send Items on" checkboxes, all of which are selected by default. These checkboxes allow you to configure when in the ordering process items are sent to the KDS. Ordered items will always be sent to the KDS on tender, no matter which of these options are selected.



Print
The order will display on the KDS whenever the POS prints to a receipt printer.

Store
The order will display on the KDS when the [Save Check] or [Leave] functions are used.

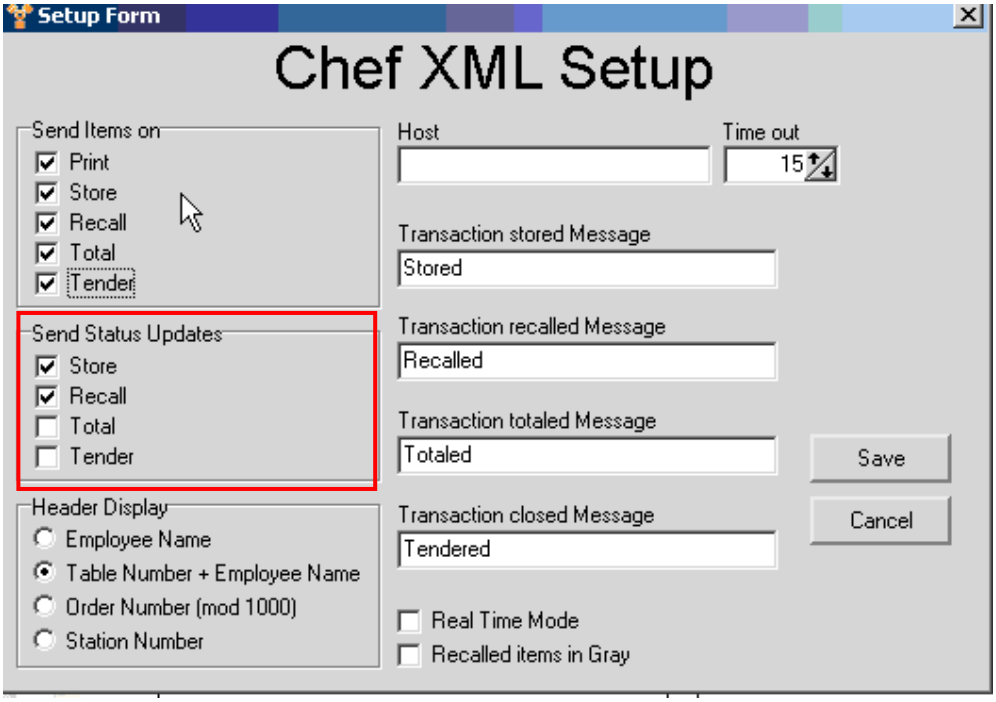
Recall
The order will display on the KDS when the [Get Check] function is used, or when the table is re-opened in some way.

Total
The order will display on the KDS when the [Finish] function is used.

Note: These options do not apply when Real Time mode is enabled. Refer to the Real Time Mode section of this document for more information.

Send Status Updates

The checkboxes in the Send Status Updates section allow you to configure which order status updates get sent to the KDS. Tender status updates are always sent.



Store
The status will be updated when the [Save Check] or [Leave] functions are used.

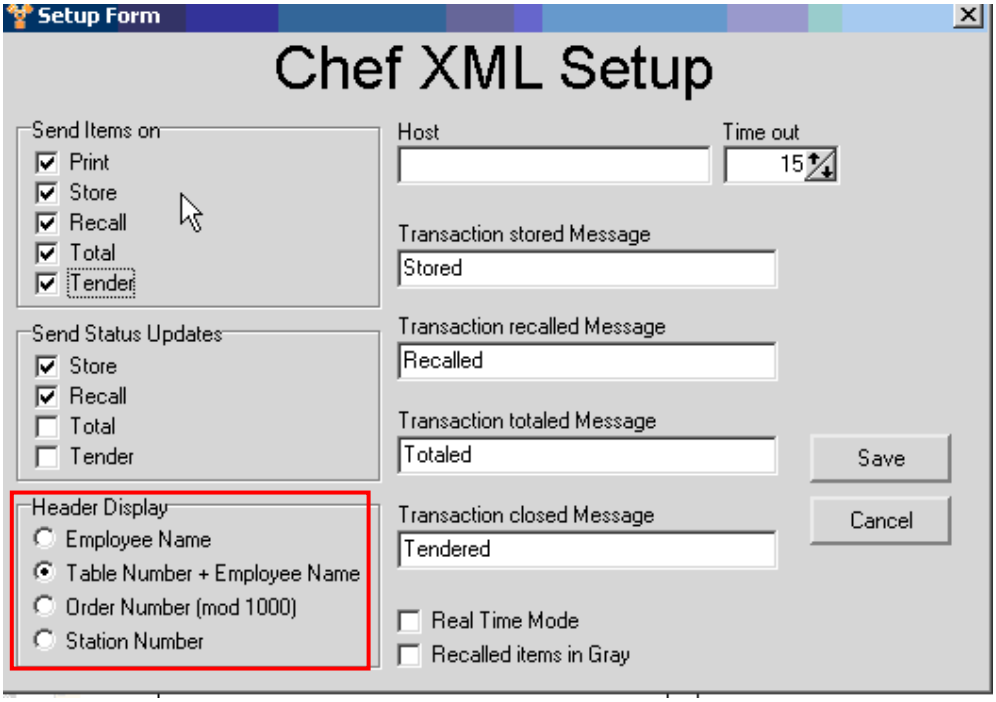
Recall
The status will be updated when the [Get Check] function is used, or when the table is re-opened in some way.

Total
The status will be updated when the [Finish] function is used.

Note: These options do not apply when Real Time mode is enabled. See Real Time Mode for more information.

Header Display

The radio buttons in this section determine what information will show in the transaction's header line on the KDS.



Employee Name

The KDS will show the name of the employee who started the order.

Table Number + Employee Name

The transaction's table number will display, followed by the employee name.

Order Number (mod 1000)

The order number will display on the KDS. This number is the last three digits of the order number (MOD 1000).

> **Note:** It is reccomended to cross reference KDS order numbers with their corresponding receipts. To do this, select Receipt Setup from the General Setup drop-down menu in BackOffice and add "^O" to the receipt layout. This will print the order number on the receipt.

Station Number

The station number will be displayed on the KDS.

Other PixelKDS Settings

Host
Enter the computer name or IP address of the machine where the ChefXML application is installed.

Timeout
Enter the amount of time, in seconds, before the POS times out when attempting to contact the ChefXML application/host.

Transaction Stored Message
Enter the message to be displayed on the KDS when a transaction is stored.

Transaction Recealled Message
Enter the message to be displayed on the KDS when a transaction is recalled.

Transaction Totaled Message
Enter the message to be displayed on the KDS when a transaction is totaled.

Transaction Closed Message
Enter the message to be displayed on the KDS when a transaction is closed.

Real Time Mode
Enables/disables Real Time Mode. See the Real Time Mode section for more information.

Recalled Items in Gray
When checked, recalled items will display in Gray on the KDS. Note that this feature could behave differently if custom colour schemes are in use.

Real Time Mode

Real Time Mode shows items on the KDS screen(s) as soon as they are ordered and added to the guest check. PixelKDS can be run with Real Time Mode on or off.

To enable Real Time Mode:

1. Open PixelKDS.
2. Select [Setup].
3. Enable the Real Time Mode checkbox.

4. Select [Save].
5. Close and restart PixelKDS.

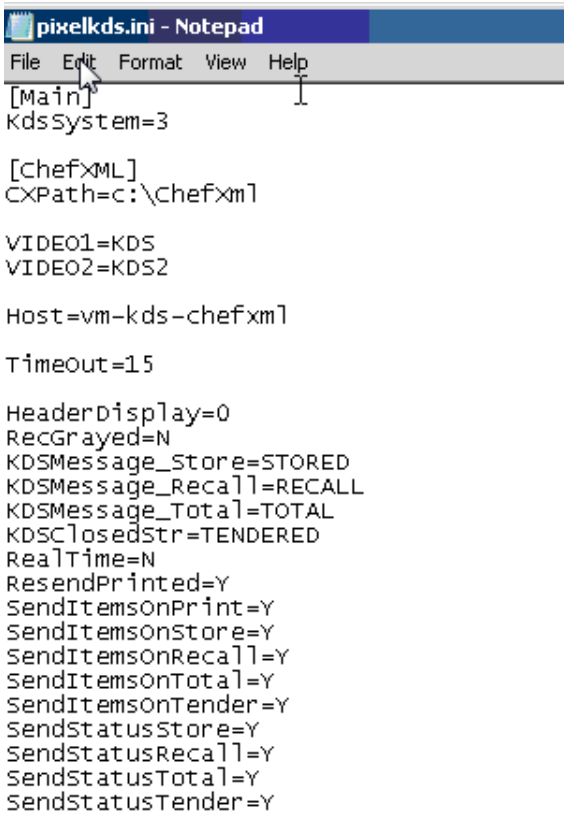
If you are expeiencing issues with Real Time Mode, contact Select Electronics support to ensure that the configuration in their software is not conflicting with real time KDS processing.

Sample INI File

This section contains sample INI files from working setups. The PixelKDS.ini file should resemble the sample below after completing the setup in the above section.

PixelKDS.ini

In this example, the network printer's name is "KDS".



ChefXML.ini

This file was created by ChefXMLConfig.exe.

```
;ChefXML.INI File
;
;GENERATED WITH -ChefXML Configuration Utility


;**********************
; GENERAL GROUP
;**********************


[GENERAL]
```

```
Software Key =
Restaurant Type = Quick Serve
System Type = PixelPoint
Definition File =
Video Count = 01
Maximum Orders = 50
Register Count = 99
Order Recovery = Disabled
Text Translation = Enabled
Unique Transaction Numbers = False
Auto Load Printer Hub = Disabled
Data Capture = Disabled
Learn Mode = Disabled
Auto Purge = Never
Max Table Entries = 100
Fault Tolerance = Disabled
Enhanced Record Format = Enabled
Initiate Crossover = Manually
KDSData Location = C:\Program Files\Select Electronics
Corporation\ChefXML

Category 1 =
Category 2 =
Category 3 =
Category 4 =
Category 5 =
Category 6 =
Category 7 =
Category 8 =

Category Delay 1 =
Category Delay 2 =
Category Delay 3 =
Category Delay 4 =
Category Delay 5 =
```



```
Category Delay 6 =
Category Delay 7 =
Category Delay 8 =

Primary Routing Period =
Alternate Routing Period 1 =
Alternate Routing Period 2 =
Alternate Routing Period 3 =
Alternate Routing Period 4 =
Alternate Routing Period 5 =
Alternate Routing Period 6 =
Alternate Routing Period 7 =

;**********************
; VIDEO GROUPS
;**********************

[VIDEO 01]
Device Type = IPad
Name = KDS1
IP Address = 192.168.0.7
Card = 1
ReRoute Video = None
Closed Reroute = None
Merge Screens = False
Bump To = None
Reset Bump To = False
Printer = None
Bump Actives = All orders
Bump All Screens = False
Item Bumping = False
Touchscreen Support = False
Park To = None
Screen Layout = 4x2
Screen Type = Food Prep
```

```
Screen Size = Full screen
Invert Image = False
Ignore Quantity One = False
Override POS Colors = False
Screen Saver = 0
Order Beeper = All Orders
Beeper Style = Default
AutoBump Timer = None
AutoBump Tendered = False
Priority Timer = None
Rush Timer = None
Item Consolidation = True
Highlight Preped Items = False
Display Seat Numbers = False
Span Screen =
Font = Arial Narrow
Font Size = 12
Font Bold = True
Font Italic = False

Order Screen = 16777215/00000000
Order Clocks = 00000000/00065280
Header Line = 16777215/00000000
Item Line = 16777215/00000000
Modifier Line = 16777215/00000000
Message Line = 16777215/00000000
EOT Line = 16777215/00000000
Void Line = 16777215/00000000

Primary Route = 1
Alternate Route 1 = 1
Alternate Route 2 = 1
Alternate Route 3 = 1
Alternate Route 4 = 1
Alternate Route 5 = 1
```

```
Alternate Route 6 = 1
Alternate Route 7 = 1

Register 01 = Enabled
Register 02 = Enabled
Register 03 = Enabled
Register 04 = Enabled
Register 05 = Enabled
Register 06 = Enabled
Register 07 = Enabled
Register 08 = Enabled
Register 09 = Enabled
Register 10 = Enabled
Register 11 = Enabled
Register 12 = Enabled
Register 13 = Enabled
Register 14 = Enabled
Register 15 = Enabled
Register 16 = Enabled
Register 17 = Enabled
Register 18 = Enabled
Register 19 = Enabled
Register 20 = Enabled
```