# LOGIC CONTROL KITCHEN DISPLAY SYSTEM

#### **OPERATION**

Logic Control Kitchen Display System allows sending orders from Point of Sale stations to the kitchen via a video display system. This system is designed to interface with Restaurant Manager v. 15.

#### SETUP

#### Hardware:

This unit is comprised of the following components: LM3000 Control Unit, 2 or more LS3000 in a loop configuration. These units are provided by Logic Controls. For configuring the hardware components, please refer to the manual supplied by Logic Controls or contact the company:

Contact Information for Logic Controls:

Telephone: 516-248-0400 Customer support email: <u>support@logiccontrols.com</u> Web: <u>http://www.logiccontrols.com</u>

#### Hardware Configuration from Logic Controls



#### Figure 1.

### Software:

Intellikitchen Version 3.91.045 developed by SIVA Corporation, supplied by Logic Controls.

## ASI/IntelliKitchen KDS Adapter: How it Works.

The Logic Controls KDS adapter program catches order data from ASI *KITVIDEO.DBF* file located in RMWIN folder, then converts them into IntelliKitchen XML file order format and then sends them to IntelliKitchen order directory. The Logic Controls KDS Adapter program links ASI POS and IntelliKitchen KDS system together, which enables ASI POS to send orders to IntelliKitchen KDS system.



Figure 2

## I. INSTALLATION

- 1. Install Intellikitchen V. 3.91.045 from the CD sent by Logic Controls
- 2. Install KDS Adapter:
  - a. On the Logic Controls CD, open DAO3.5 folder
  - b. Go to Disk1 folder
  - c. Double click SETUP.EXE; this will install database driver for KDS Adapter program.

3. Enter the correct IP address of the LM3000 unit in "IPAddress" field in Logicnetehost.ini file C:\Windows. The IP Address will appear once a video display unit is connected to the LM3000 unit.

#### Things to remember:

- 1. Make sure to copy a shortcut of KDS Adapter .exe and StartIK.exe (Intellikitchen software) into the startup folder.
- 2. KDS Adapter and Intellikitchen software must be running at all times

## II. How to Configure KDS Adapter

### Pre requirements:

- Install Restaurant Manager.
- Install IK (Intellikitchen Software).
- Setup ASI POS:
  - 1. Assign menu items to prep-printers
  - 2. Select prep-printers to go to Real Time KDS (see figure 3 on page 4)
- Setup IK to use Logic Net.

For ASI BackOffice setting, **uncheck** "<u>Fully delete items sent to KDS</u>" under "Real Time Kitchen Display System Interface", this will just tell ASI POS how to send data to the dbf file and won't affect real KDS setting, to let KDS either remove deleted items from KDS or just mark them use different color on KDS, go to IK to setup this.

🚔 Station Config	juration (Master)		×
Stations:	Options:		
Master Double-click to edit The left and right ar	Miscellaneous     Demo     PC Clock     Interfaces     Credit Card Authorization Setup     Debitek Options     Club Interface Setup     Micros compatible PMS Setup     Scale Interface Setup     Liquor Control Interface     VMC Metro Card Interface     VMC Metro Card Interface     Food Trak Interface Setup     Gift Card Interface (GiveX)     Video Overlay Interface     Real time Kitchen Display System (KDS) Interface     Video Overlay Interface     Show add-on items in new windows     Wendy's KDS (send end of item)     Wendy's KDS (send end of item)     Wendy's KDS (send end of item)     Wap Interface     Session		•
Create Delete	Copy <u>S</u> earch Special	<u>0</u> K	<u>C</u> ancel

Figure 3

1. Open ASI SIVA KDS Adapter program, click File->System Setting.

🔄 ASI SIVA KDS Adapter	_ 🗆 🗙
File	About
System Setting	
Order Type Setting	
Transfer ASI KDS video Setting	
Exit	
Transfer Stop	Exit

Figure 4

2. Assign ASI KITVIDEO.DBF and IntelliKitchen POSData path as shown in figure 5.

Setting	×
ASI DBF Path:	C:\rmwin
SIVA XML Path:	C:\intellikitchen\posdata
C Automatically	start transferring orders when adapter opens
🔽 Show icon in t	ask bar
🔽 Send Item In F	iy Mode
	OK Cancel
	Figure 5

- 3. Check "Send Item in Fly Mode" to let ASI POS send every item before the order is settled. Each view for IntelliKitchen also need to be setup to "fly" mode. Please see page 15 about how to setup fly mode for each view.
- 4. Click "OK" to save
- 5. To transfer KDS video station COM port settings, click File->Transfer ASI KDS video Setting. This will transfer the setting in ASI KDSCFG.DBF file for each KDS video to IntelliKitchen logicnetehost.ini file.

E ASI SIVA KDS Adapter	_ 🗆 ×
File	About
System Setting	
Order Type Setting	
Transfer ASI KDS video Setting	
Exit	
Transfer Stop	Exit
Figure 6	

6. Click "Transfer" button to start translating orders. All orders from ASI POS program will be translate to IntelliKitchen XML format and sent to POSData folder. Start ASI POS and SIVA IntelliKitchen KDS.

🔄 ASI-SIVA		_ 🗆 🗵
File		About
Running Time:	00:02:13	
Status:	Running	
Transfered Items:	15	
Last Error :	None	
Transfer	Stop	Exit

Figure 7

7. To quit from adapter program, click "Stop" to stop translating orders and then click "Exit".

### How to Map ASI Items to SIVA Routing Table

#### I. Overview

In ASI database, all items send to prep. Printers; In SIVA database, all items or group send to views, each view is a KDS (Kitchen Display Station or Kitchen video). To map prep-printers to views, all prep-printers have to be added to SIVA database first. Afterwards each item can be sent to a pre assigned KDS.

# ASI Database setting



Figure 8

#### SIVA Database setting



Figure 9

#### II. How to map views

In order to let IntelliKitchen KDS display all items assign to Prep Printer in ASI database. All prep-printers have to be assigned to views. **All items in ASI database DO NOT need to be added to SIVA database**, because IntelliKitchen checks the "Category" name in XML file. For example, if 1 item has "==== Bar Order ====" in XML file, IntelliKitchen will check which Filter this Group belongs to as well as which filter this view belongs to, and then send the item to a view.



Figure 10

1. Start IntelliKitchen program, click Edit->View to edit or add view to map ASI setting, for ex, if ASI uses 3 KDS, then add 3 views.

IntelliKitchen Product     File Edit View Tools      View 1 - Bar Order     View 2 - Kitchen Order     View 3 - Expediter	tion Manager (IntelliKitchen) - Kitchen Views Help View 1 - Bar Order Select a view in the list, and edit it's properties in the form below.	
View Options	Use the New and Delete options in the Edit menu to add or delete views.	
Computer LOCAL	View Focus Device LogicNetE #1 ▼ View Layout Full ▼	
Use System Display	Mode       Color Palettes       Default Palette       Custom Properties         Bagging Information <ul> <li>None</li> <li>Bump On Other Views</li> <li>Image: Second Second</li></ul>	
<ul> <li>One <u>B</u>ehind</li> <li>On <u>T</u>otal</li> </ul>	C Brief     Reroute Items       C Detailed     OK	
, Ready	N	

## Figure 11

2. Click Edit->Items, then click Edit->New, enter new group name, for ex: "==== Kitchen Order ====". Add all prep-printer in ASI database as "Group".

0	ntelliKit	chen	Produ	ction Manag	jer (IntelliKito	hen) - Kitchen Ite	ems				×
File	Edit	View	Tools	Help							
	lame			Group	Туре	Short Name	Abbreviation	Priority	POS Item		
LН	amburge	r		<default></default>	ltem	Hamburger	Hamburger	×	Hamburger		
	ARGE M	OUNT	AIN	<default></default>	Item	LARGE MO	LARGE MO	×	LARGE MO		
	euben B	urger		==== Bar O	. Item	Reuben Bu	Reuben Bu	×	Reuben Bu		
	=== Kitch	ien Ur	der =	Kitala	Group	==== Kitch	==== Kitch	U	==== Kitch		
۱Ľ	niii con u 1	ueso		==== NICh	Item	Chill con Q	Chill con Q		Chill con Q	النار	
										<u> </u>	
I ⊏I	tem Prop	erties-									
	Mana						Accessories/Su	ubassembļ	y .		
	Name			= Kitchen Ord	Color	Automatic 💌	Name	L Co	unt Add	3     E	
	Short Na	me		- Kitchen Ord		Automatic	Traine				
				- Kitchen olu	Bag Class	(none)			Hemo	ve	
	Abbrevia	ation		= Kitchen Ord						rit	
	DOC N-				Bag Eactor		1			on	
	PUS Iter	n		= Kitchen Ord	bag racior	10.0	Default Service	Time	0		
	Group				Туре		Hold 1	Time			
	anoap								lo l		
	Display F	Priority	0	_	lcon					_   ,	
						1					
			Inc	vediente	Day Part 1	Modifiere		OK	Conor		
					Dayrait	Mounters				H	
Pos	du								NUM	-	
nea	uy								MONI INOM		11.

Figure 12

3. Click Item-Filters, assign groups to each filter. Make sure check "Item" box. For ex, assign "==== Bar Order ====" to filter 1 "Station 1", assign "==== Kitchen Order ====" to filter 2 "Station2"...



Figure 13

OIntelliKitchen Production Manager File Edit View Tools Help	(IntelliKitchen) - Filters	-D×
Station 1 Station 2	Description       Station 2         Item Modifications	
Filter Settings Groups ==== Kitchen Order = V Items × Locations ⊕ Locations ⊕ Terminals ⊕ Order Types	Name     Type       ******** APPT 1ST     Condiment       *NO FIRE     Condiment       +ALMONDS     Condiment       +AMER-1\$     Condiment       +AWC     Condiment       +BAC     Condiment       +BANANA     Condiment       +BUU CHZ     Condiment       +BURG PT     Condiment       +CHED-1\$     Condiment	
Ready	OK Cancel	4

Figure 14

 Click Edit ->Routing, for default routing table, assign each filter to a view. To set 1 view (KDS) accept all items, set filter to "None".

OIntelliKitchen Production Manager (IntelliKitchen) - Routing Groups File Edit View Tools Help	<u>-D×</u>
Default Routing Group         Name         Default Routing Group           New Routing Group         Name         Default Routing Group	
Default Group	
Available Views     Active Views     View 1 · Bar Order   View 2 · Kitchen Order   View 3 · Expediter     Filter     Station 1     OK.     Cancel	
Ready NUM	1

Figure 15

IntelliKitchen Production Manager (IntelliKitchen) - Routing Groups           File         Edit         View         Tools         Help	
Routing Group       Name       Default Routing Group         New Routing Group       Value       Value         Very Routing Group       Value       Value	
Available Views     Active Views     View 1 · Bar Order   View 2 · Kitchen Order   View 3 · Expediter     Filter     Station 2	
OK Cancel	
Ready NUM	

Figure 16

Bouting Group         Name         Default Routing Group           Default Routing Group         Name         Default Routing Group	elliKitchen Production Manager (Intell Edit View Tools Help	Kitchen) - Routing Groups	<u>- 0 ×</u>
	Routing Group Default Routing Group New Routing Group	ame Default Routing Group	
Default Group		Pefault Group	
Available Views     Active Views     View 1 · B ar Order   View 2 · Kitchen Order   View 3 · Expediter     Filter     OK     Cancel	Available Views	Active Views   View 1 - Bar Order   View 2 - Kitchen Order   View 3 - Expeditor     Filter   Chancel	

Figure 17

## Part II: How to set fly mode for each view

If the check box "Send Item In Fly Mode" in KDS Adapter is checked

Setting		×
ASI DBF Path:	C:\rmwin	
SIVA XML Path:	C:\intellikitchen\posdata	
☑ Automatically	start transferring orders when adapter o	opens
🔽 Show icon in t	ask bar	
Send Item In F	ly Mode	
	OK Cancel	

Figure 18

The IK also needs to be setup to match this. To do this, click Edit->Views Select " On The Fly" for each view that will use this feature. Save setting for each view. (Do not go to Edit->Systems Option to set display mode to on the fly too, keep "On Total" for display mode; only go to Edit->View to set display mode for each View).

OIntelliKitchen Produc File Edit View Tools	tion Manager (IntelliKitchen) - Kitchen Views Help	-D×
View 1 - FOH Expo View 2 - KM Expo View 3 - Appt	View 1 - FOH Expo Select a view in the list, and edit it's properties in the form below.	
View Options Computer LOCAL	View Layout	
Use System Display	Mode       Color Palettes       Default Palette       Custom Properties         Bagging Information <ul> <li>None</li> <li>Bump On Other Views</li> <li>Brief</li> <li>Reroute Items</li> <li>OK</li> </ul> Cancel	
Ready		NUM

Figure 19

### Part III: How to map IK order type to ASI revenue center

ASI has different revenue centers, and in IK it's called "Order Type". To map those tables, the setting in KDS Adapter and IK need to be changed.

1. Start KDS Adapter, click "File->order type setting", a box opens, enter the IK type ID (also called "POS ID" in IK) and the string you want IK to display. Here is a sample.

ASI Reuenue Center	to SIVA Order Type Setting	
ASI Order Type	IK Туре ID	IK Name Comment
Table Service	1	TABLE
Carry Out	2	CARRY
Eat In	3	EATIN
Pickup	4	PICKUP
1	1	
	ОК	Cancel

Figure 20

- 2. Click "OK" to save. Remember this table.
- 3. Start IK, click "Edit->Filter", select filter and then check "order Type".



Figure 21

 Right click on each order type, and then select "Properties", find the "POS ID", if the "POS ID" matches "IK Type ID" in KDS Adapter, change the "Name", "description" and "Abbreviation" fields, the "Abbreviation" is the string going to be displayed on KDS, so make sure put the string you want.

For ex:						
Order Type P	roperties					×
Name	Table		POS ID	1	Default Alert	0
Description	Table	_			Default Critical Time	0
Abbreviation	TABLE	_				
- Day Parts-		Alert Tin Critical 1	ne 🔽		Generate Access	sories g Information
			Add	Delete	OK	Cancel

Figure 22

Change each field to match ASI setting; the "**Abbreviation**" is the string going to be display on KDS next to order number. "POS ID" is the integer value KDS adapter uses to let IntelliKitchen to pick up then display the corresponding abbreviation on KDS. Click "OK" to save, then change next order type...

If any setting has been changed in IK, restart it.