INSTALLATION GUIDE
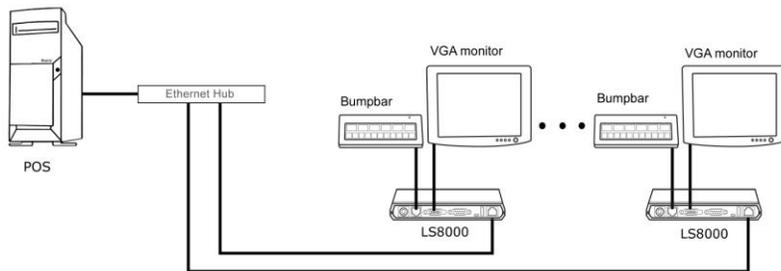
LS8000 Kitchen Display Controller

bematech

The LS8000 is an advanced compact kitchen display station controller with Android^{TM} operating system. A typical system consists of a number of LS8000 units connected to bumpbars, VGA monitors, or touch monitors. The LS8000 units communicate with the POS host via TCP sockets on Ethernet connections.

HARDWARE INSTALLATION

Component Placement

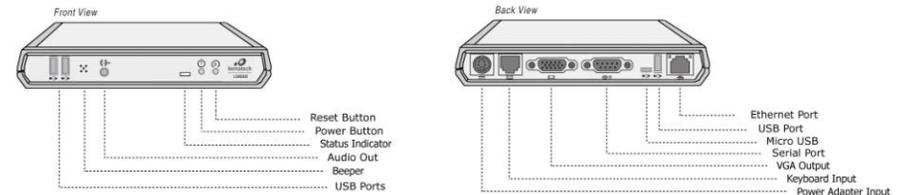The following is recommended when you plan the LS8000 system setup:
- Place the LS8000 so that you can use the mounting brackets located at the bottom of the unit.
- Place the LS8000 so that the RESET button is accessible.
- Place the LS8000 so that the beeps from the speakers can be heard.
- Place the LS8000 so that the LED indicator on the front panel can be seen.
- Place the LS8000 above grill/counter level, out of the way of possible spills.

Mounting Instructions

Mounting brackets are provided to facilitate mounting the LS8000 to a wall, ceiling, or display monitor mounting arm. The installer should insure that the wall anchors used with the mounting brackets have the capacity to support 4.3 kg (9.5 lb.). This weight is determined by adding a safety margin weight to the weight of the unit. Wall anchors with specified weight capacity are available commercially.

* Android is a trademark of Google Inc.

Connections

Make sure that all systems are powered off before making or removing any connections to the LS8000 unit. Follow the steps below in connecting the devices:

1. Connect the VGA cable of the display monitor to the LS8000.
2. Connect the RS232 cable of serial devices to the LS8000.
3. Connect the bumpbar or keyboard device to the LS8000.
4. Connect the Ethernet cable from Ethernet hub or switch to the LS8000.
5. Connect power to all peripheral devices and turn on power.
6. Connect power adapter to the LS8000 and power cord to the power adapter.
7. Plug the power cord into AC power outlet.
8. If necessary, reset the LS8000 by pressing the reset button.

LS8000 SETUP

The LS8000 KDS station communicates with POS stations or KDS router through Ethernet connection The POS or KDS software would most likely work with the KDS station with static IP. To set up static IP for LS8000, follow steps below.

1. Click on Apps icon.
2. Click on "Settings" app.
3. Under "WIRELSS & NETWORKS", click "More..."
4. Click "Ethernet" and then click "Static IP Settings"
5. Click "Use Static IP". The check box should be checked.
6. Click "IP address", "Gateway" and "Netmask" correspondingly to set up the parameters according to requirements of network. Make sure that the IP address matches the setup in the POS or KDS software.

APP INSTALLATION

To install an application such as KDS app, follow steps below.

1. Copy APK file of the app into a flash drive.

2. Plug the flash drive into one of the USB ports of LS8000.

3. Click on Apps icon.

4. Click on "Explorer" app

5. Click "USB Storage".

6. Browse and click the application APK file to start the installation.

GENERAL SPECIFICATIONS

SYSTEM

CPU	PX2 dual core, 1.4GHz
System memory	1GB
Mass storage	eMMC 8GB
Operating System	Android 4.4.2

I/O PORTS

Bumpbar/Keyboard	PS/2 (RJ11 6-pin connector)
Video	DB15 VGA, 1920x1080 max
Serial ports	RS232 (DB9 connector)
	Optional +5V power at pin 9
Network Interface	10/100 Mbits Ethernet
USB 2.0 Type A	2 at front, 1 at back panel
Micro USB	Host connection (for Android app development)
Audio	Audio out & mic in (phone jack)
	Internal buzzer

ELECTRICAL (power adapter)

Input voltage	100 to 240VAC, 47 to 63Hz
Input current	0.6A max @ 120VAC
Output voltage	+5VDC
Output current	2A max
Connector	4 pin mini-DIN latched

MECHANICAL

Weight	2.2lbs (1.02Kg)
Dimension (W x H x D)	6.3" x 1.0" x 5.1"
	(161mm x 26mm x 130mm)
Housing	Die cast

ENVIRONMENT

Operating temperature	5°C to 40°C
Operating relative humidity	8% to 80%
Storage temperature	0°C to 60°C
Storage relative humidity	5% to 85%