



# 2010 TECHNICAL TRAINING SEMINARS

Minimum Class Size: 4 Students ~ Maximum Class Size: 6 Students

## In depth study of IQ™, SIM & Ultimate, Panels with LiNC-PLUS Software on Microsoft Windows XP (32 bit) Professional, Microsoft Windows 2003 Operating Systems

The five (5) day training seminar at PCSC’s corporate office in Los Angeles (Torrance) is for Authorized Dealers, Distributors, and OEMs. The seminar is an in-depth study of all PCSC hardware and software. Before registration, students are required to complete a Training Seminar Prerequisites Questionnaire, to demonstrate their working knowledge of basic Access Control operation on a PC.

### Authorized PCSC Dealers, Distributors, and OEMs \*

\*To guarantee a place in the class, a \$750 (per person) purchase order number must be submitted 30 days in advance of scheduled training with the Questionnaire. If the student cancels within two (2) weeks of class or fails to attend (no show), the purchase order will be honored.

### Training Prerequisites and Requirements for Class Attendance

- Purchase Order and Completed Training Questionnaire - 30 days in advance of scheduled training.
- LAPTOP COMPUTER REQUIRED for class use (1024 x 768 pixels with Serial and Ethernet Port with Local Admin Rights)
- Working knowledge of Microsoft Windows XP Professional or Microsoft Windows 2003 Operating Systems
- Familiar with the basic terms of Access Control (card readers, access time, shunt time, sense inputs and outputs)
- Installing hardware such as modems, video cards, and communication peripherals.
- Setting up TCP/IP protocols and installing application software.

## LiNC-PLUS 2010 Training Schedule

Held at PCSC Corporate Facility / Staybridge Suites Torrance / Redondo Beach

<b>February</b>	<b>8<sup>th</sup> – 12<sup>th</sup></b>	<i>Class Schedule (Standard Pacific Time)</i>	
<b>May</b>	<b>10<sup>th</sup> – 14<sup>th</sup></b>	<b>Monday</b>	<b>9:00 AM – 5:00 PM</b>
		<b>Tuesday</b>	<b>8:00 AM – 5:00 PM</b>
<b>August</b>	<b>16<sup>th</sup> – 20<sup>th</sup></b>	<b>Wednesday</b>	<b>8:00 AM – 5:00 PM</b>
		<b>Thursday</b>	<b>8:00 AM – 5:00 PM</b>
<b>November</b>	<b>15<sup>th</sup> – 19<sup>th</sup></b>	<b>Friday</b>	<b>8:00 AM – 1:00 PM</b>

### Remote - Off-site Customer Training Available

Training at remote facility is available at \$1,500/day, plus all travel and accommodation expenses. Remote off-site training specifically tailored for your company’s needs are available during months without PCSC factory training. These 3 to 5 days training classes are held at or near your location. To guarantee remote off-site training a purchase order number must be submitted 30 days in advance of scheduled training dates.

For additional information and off-site training information contact:

Richard Ray, Technical Support Manager	Ext. 1614	<a href="mailto:RRay@lpcsc.com">RRay@lpcsc.com</a>
Alan Kosaka V.P. of Engineering	Ext. 1621	<a href="mailto:AKosaka@lpcsc.com">AKosaka@lpcsc.com</a>
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## PRE-REGISTRATION QUESTIONNAIRE

Experience in installing and running applications on Windows XP      Yes  No

Electrical Installation Experience?      Yes  No  Month(s) \_\_\_\_\_ Year(s) \_\_\_\_\_

### Section I – PC

What are the default COM PORTS and values for a new PC?

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What is an “IRQ”?

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Have you ever performed a Format Program?      Yes  No

What does a Format Program do?

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Check the true statements:

A modem can be connected to LPT1 or LPT2      True  False

A modem can be connected to COM PORT1 or 3      True  False

A modem can be connected to COM PORT 2 or 4      True  False



Check all correct answers concerning BIOS:

- A. COM PORTS can be enabled or disabled?      Correct       Incorrect
- B. Floppy drives can be enabled or disabled?      Correct       Incorrect
- C. COM PORTS can be added?      Correct       Incorrect
- D. LPT's can be enabled or disabled?      Correct       Incorrect

Are you familiar with PC to PC communication programs?      Yes       No

If so, which programs?

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Have you ever run a Virus Scan Program?      Yes       No

If so, which programs?

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Are there differences between an UPS and a Power Supply?      Yes       No

If so, please state the differences:

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Are there any differences between an UPS and a Power Conditioner?      Yes       No

If so, please state the differences:

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What is the difference between a Cold boot, Warm boot and Reset?

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## Section II – Access Control

Describe the difference between “FAIL SAFE” and “FAIL SECURE” in the Access Control industries.

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Fill in the blanks:

When a form C relay is energized, there will be continuity between COM & Normally \_\_\_\_\_

When a form C relay is de-energized, there will be continuity between COM & Normally \_\_\_\_\_

If you connect two 12-volt batteries in Series, what is the voltage Potential? \_\_\_\_\_

If you connect two 12-volt batteries in parallel, what is the voltage Potential? \_\_\_\_\_

What is a Ground Fault?

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What is a Ground Loop?

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Select the best cable distance an RS232 device can be installed at 9600 Baud:

- A. 100 Feet
- B. 50 Feet
- C. 25 Feet
- D. 500 Feet
- E. 4,000 Feet

Select the best cable distance an RS485 device can be installed at 9600 Baud?

- A. 100 Feet
- B. 1,000 Feet
- C. 2,000 Feet
- D. 4,000 Feet

What is the Maximum cable distance for Wiegand type card readers?

- A. 100 Feet
- B. 500 Feet
- C. 1,000 Feet
- D. 4,000 Feet

### Section III – Networking

What is the definition of an IP address?

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What is the definition of a Subnet Mask?

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What is the definition of a Gateway?

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What are some of the DOS commands used for checking the IP address and network protocols?

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Describe the difference between a LAN & WAN configuration.

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Describe the difference between a crossover and straight-through cable when connecting devices on network configurations.

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List other Card Access Manufacturer's systems that you are best familiar with:

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Your Questions or Comments:

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19901 Prairie Avenue – Torrance CA 90503  
310-371-8525

2010 PCSC Training Facility & Hotel Accommodations

Staybridge Suites – Torrance  
Email form to Esther Clark  
Esther.Clark@ihg.com  
Fax number 310-542-9628

PCSC ROOM RESERVATION FORM

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Fax #: \_\_\_\_\_

Arrive Date: \_\_\_\_\_ Departure Date: \_\_\_\_\_

\_\_\_\_\_ One Bed room Suite Queen Bed(1 Queen Bed) \$129.00\*

\* **RATE INCLUDES BREAKFAST DAILY**  
\* Rate does not include 11.067 % city/bed tax

PC Rewards Card Number: \_\_\_\_\_

Please guarantee my room for arrival to the following card:

\_\_\_\_\_ Visa \_\_\_\_\_ MC \_\_\_\_\_ AMEX \_\_\_\_\_ Discover \_\_\_\_\_ Other

Card Number: \_\_\_\_\_ Exp \_\_\_\_\_

NOTE: If you need to cancel your reservation, please call 310-371-8525 before 6pm 24 hours prior to arrival. Otherwise, your credit card will be charged for the first night room and tax.



**BUILDING SECURITY ONE  
RELATIONSHIP AT A TIME**

**LINC-PLUS Training Agenda**

Day	Start/Stop Time	Description/Topics
1	9 AM – 5 PM	Introduction, Installation, and Setup
2	8 AM – 5 PM	Getting Started and Graphical User Interface Design
3	8 AM – 5 PM	System Monitoring, Badging, Review & Q/A
4	8 AM – 5 PM	Testing/Feedback, Application Training Introduction
5	8 AM – 1 PM	Application Training

## Introduction

### Cardholder Management Mode

- Overview
- Add Cards
- Search Cards
- Edit Cards
- Delete Cards
- Capture Images
- Print Badges

### Overview of Project Management Mode

- How to Log on / Log off
- Screen Layout

### User Management

- Add users
- Manage users
- Delete users

### Access Control Management

- Time Zones
- Holidays
- Access Groups
- Access Sets

### Downloading

- Time Zones
- Access Sets

### Reports

- History report
- Cardholder

### Troubleshooting

#### Doors

- What does Forced mean
- What does Ajar mean
- Shunting Alarms
- Lock issues

#### Cards

- What do different error messages indicate?
- How to determine if a card is dead
- What to do if a card doesn't work

## Operator training

### Introduction

- Log on / Log off
- Run Mode overview
- Navigating around
- Door icons
- Unlock
- Lock
- Meanings of colors
- Information manager
- Respond to alarms
- Acknowledge
- Clear
- Messages
- Cardholder Management Mode
- Overview
- Search for cards
- Report Mode
- History Reports
- Card Reports
- Run Report

## LiNC-PLLU Setup Process & Configuration

### LiNC-PLUS Driver Configuration

- Series Communications (RS-232 or RS-285)
- Network Communications (TCP/IP)

### LiNC-PLUS

Operator Permissions

Card Management Mode

RTU Configuration- Panel Setup

- Inputs
- Outputs
- Doors
- Alarms

Queue Control

- Queue Control Buttons
- Acknowledge / Clear Dialog
- Queue Control Data
- Even Displays
- Responding to Events

Monitor Control

Shunt Control

Operator Messages

## Project Overview

### Maps

- Main Floor
- Lobby
- Office Area 1
- Office Area 2

### RTU Configuration

- Panel 1 IQ-200
- Door 1 - Lobby
- Door 2 - Production

### Inputs Programming:

- Lobby Motion
- Office motion
- Glass Break
- Tech Support Motion
- Fire Alarm Input

### Output Programming

- Light Area 1
- Light Area 2

### Graphic Design Mode

- Import Images (maps)
- Graphic Tool Bar
- Create Graphic Objects
- Create New Screens