

## LTC 8900

<b>Course Title:</b>	LTC 8900
<b>Duration:</b>	1 Day
<b>Target Audience:</b>	Installation, Service Technicians, Project Managers
<b>Total Attendees:</b>	8
<b>Objectives:</b>	Upon successful completion of this course the participant should be able to: <ul style="list-style-type: none"><li>• Describe the functions of the LTC 8900</li><li>• Identify appropriate applications</li><li>• Use all of the operator functions and controls</li><li>• Identify main parts and troubleshoot the LTC 8900</li></ul>
<b>Prerequisites:</b>	Successful completion of Bosch Allegiant Matrix Switching Systems class.

### Course Content:

#### Module 1: Matrix Switchers

- Full Crosspoint Switching
  - Definition
  - Examples
- Standard Features
  - Switching Multiple Cameras to Multiple Monitors
  - Camera Callup via Alarm Inputs
  - Camera Tilting
  - Control of Remote Site Functions
  - Multiple Keyboard Capability - Operation
- Advanced Features
  - Remote Site Functions
  - Custom Sequences
  - Individual Sequence Dwell Time
  - PC Driven Configuration
  - Various Operator Lockout Capabilities
  - Time Activated Features
  - Camera Numbering/Re-numbering
- Allegiant Family General Features
- Allegiant Models
- Major System Components – LTC8600

#### Module 2: Allegiant Matrix Switching System

- General LTC8900 System Information
  - Why Choose LTC8900 Applications
  - Where LTC8900 Should be Used

- Special Characteristics
- System Operation – Operator’s Viewpoint

### **Module 3: LTC 8900 Components and Theory**

- Component Reference List
- Basic Matrix Components
  - CPU Functions
  - LTC8903 Camera Input Bay
  - LTC8902 Monitor Output Bay
- Video Connections
- PC/Data Mirroring
  - LTC8943 System Controller PC
  - CPU Data “Mirroring” Concept
- Network Switches and Data Flow
  - Three Distinct Models: LTC8944, LTC8945, LTC8946
  - Data Flow/Cabling
  - Miscellaneous System Data Accessories
  - General Installation Hints
  - Compatible Allegiant Accessories

### **Module 4: PC Software Information**

- System Configuration Software Features
  - Complete Configuration Programming
  - Log-in Access Feature
  - Save File; Download/Upload
  - Real Time Status Screens
- Supplied System Configuration Software
- System Supervisory Software Features
- System Controller PC Requirements

### **Module 5: Troubleshooting**

- Knowing Function of Each Component
- Faults Indicated in the System Supervisory Display
- Advanced Troubleshooting Techniques

### **Module 6: Allegiant Special Topics**

- CCL Commands
- RS-232 Signals
- RS-485 Signals
- BiPhase
- Ethernet LAN