

Outline for Keltron Active Network Radio Technical Training

MODULE 1 – System overview

1. About Keltron Corporation
2. Active network radio system
 - a. Radio mesh network- theory of operation
 - b. Keltron RF7100 signal converter
 - c. Keltron RF7500 radio receiver
 - d. Keltron DMP703/LS 7000 alarm management system

MODULE 2 – Base station installation and assembly

1. Network requirements
2. Phone system requirements
3. RS232 requirements
4. Keltron RF7500 system redundancy

MODULE 3 – Keltron RF7500 radio receiver

1. Startup
2. Descriptions of radio applications
3. How to troubleshoot Keltron RF7500 faults
4. Manual fall-back mode
5. Root system management
6. VNC and RF-VNCPC
7. How to start and stop radio applications
8. Use in redundancy testing
9. Use in fault repair
10. How to follow safe shutdown procedures

MODULE 4 – Keltron RF7100 signal converter

1. How to use the RF71KConfig Configuration Wizard
2. How to fill out the RF7100 configuration form
3. Operation
4. How to use the Setup menu
5. How to test the modem and phone line
6. How to test the antenna system
7. Descriptions and troubleshooting of RF7100 faults

MODULE 5 – Antenna systems, antenna location and construction

1. Limitations of radio transmission
2. Antenna dos and don'ts
3. Coax cable dos and don'ts
4. How to assemble and test coaxial cable connectors

MODULE 6 – Remote transceiver configuration

1. How to program the monitoring system
2. How to configure the transceiver

MODULE 7 – Remote transceiver installation and field testing

1. How to conduct a site survey
2. How to use transceiver field status and monitoring tools
3. How to field-test transceiver antennas

MODULE 8 – Active radio network maintenance

1. What are wireless groupings?
2. The Database Manager (Admin GUI)
 - a. Use in RF7100 monitoring
 - b. Use for suspending redundancy
3. How to log in to the wireless grouping desktop
4. How to use the IPCtrl radio maintenance application
5. How to use the IPCtrl radio information queries
6. How to obtain and use IPCtrl historical records

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for multi-building facility and municipal markets. Solutions include Ethernet/IP, cellular, active network (mesh) radio, dual-path, digital communicator/receivers, and direct wire signaling systems. For more information visit www.keltroncorp.com or contact us at 781-894-8710. ISO 9001:2015