**Research Electronics International**
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Fourth Quarter 2003

# REI Equipment Certification Class

Research Electronics International is pleased to announce the offering of an REI Equipment Certification class in March 2004. This 4-day course will provide 2 days of advanced TSCM concepts and 2 days skills testing on REI equipment. Testing will be conducted to determine student skill levels for use of the OSCOR and MDC-2100 Microwave Down Converter, the ORION Non-Linear Junction Evaluator, and the CPM-700 Countersurveillance Probe/monitor. Upon successful completion of the testing, students will be granted R.E.C. (REI Equipment Certified) credentials including a certificate. The R.E.C. credentials will be valid for one-full-year.

This course is designed for the advanced TSCM professional. The TSE-101 and TSCM 201 training courses are a prerequisite for participation in the REI Equipment Certification Class. To maintain high teaching standards and ensure an optimal learning environment, this course will have limited seating. If you are interested in becoming REI Equipment Certified or have any questions or comments, please call Nicole Rodgers at 931-537-6032.

## Equipment Use Tips

When using the ORION to perform a room sweep, try using the small colored office sticky-notes to mark possible threat areas. This makes for a quick method to "mark your tracks" while performing the sweep. Additionally, the different colored notes can remind you of different types of junctions found, and will help you locate where to further investigate after the ORION sweep is complete.

For OSCOR and CPM-700 users, remember that electro-static discharge is much more prevalent during the winter months. To avoid damaging your equipment, always ground yourself before and during use of equipment by touching something metal.

## CMA-100 Acoustic Leakage Probe

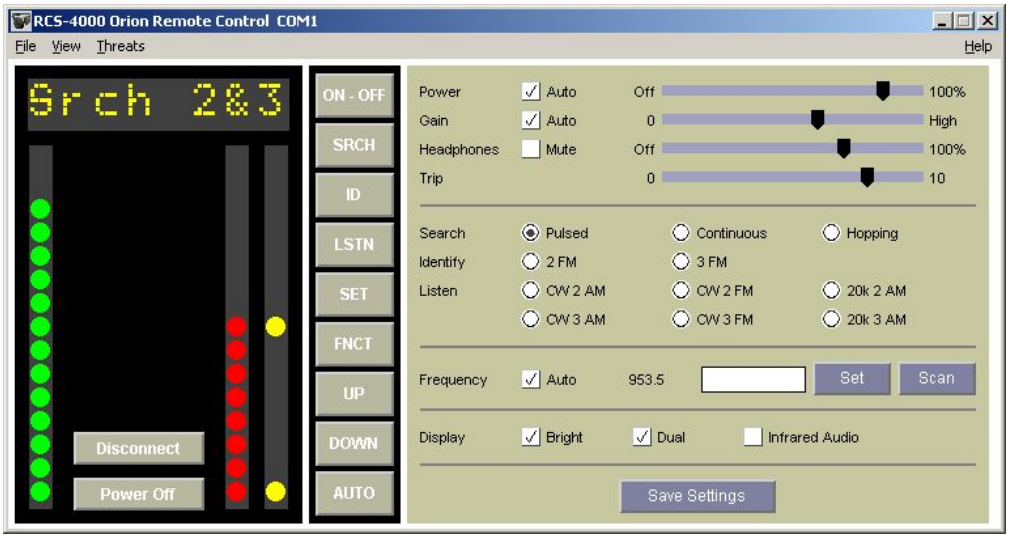
For advanced evaluation of structure borne audio leakage, the new ALA-100 Acoustic Leakage Probe for the Countermeasures Amplifier is now available. This new probe is a contact microphone that will allow the CMA-100 to be used for pinpointing structural acoustic leakage vulnerability points within a room, perfect for evaluating weak structural areas that may be the target of illicit eavesdropping. The ALA-100 is now available for $199, contact REI to place an order.

# The ORION has a new Remote Control Port!

With increased security and terrorism awareness, Non-Linear Junction Detectors are now commonly being used around the world for detecting electronics associated with explosive devices, including land mines. *Extreme caution* should be taken when using Non-Linear Junction Detector (NLJD) technology for the testing and detection of electronics associated with Explosive Ordinance due to the inherent risks associated with unknown explosive devices. To increase safety in these situations, REI has developed some enhancements for the ORION NLJD to increase the safety of the user should an ORION be used in a potentially explosive situation.

In 2002, REI developed a method to control and display ORION responses from a remote location using a separate remote control pendant (RCM-4000). The theory is that the ORION may be placed on a Tri-Pod over a suspect threat and the operator maintains a safe distance.

A *new* ORION software system has been developed so that the ORION can simply be plugged into a computer for controlling and displaying the ORION response. After December 1, 2003, all ORIONs will have a new port on the back of the transceiver to support this function. This port will allow the ORION to be operated from a safe distance using a computer and/or placed in a specific mode, locking the operational settings for EOD environments. For example, if the user wants to operate in a CW mode with a limited transmit power, then the software could be used to "LOCK" the functionality so that the user cannot accidentally change the mode of operation making the unit less safe. Provided below is a screen shot of the new ORION software feature.




For more information about these and other new developments, contact REI at sales@reiusa.net

# REI 2004 Training Schedule

**February**

| | |
|---|---|
| Computer Security Course | 3-5 |
| Technical Security Equipment | 24-26 |

**March**

| | |
|---|---|
| Technical Security Countermeasures | 1-5 |
| REI Equipment Certification Course | 15-18 |

**April**

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|---|---|
| Technical Security Equipment | 13-15 |
| Technical Security Countermeasures | 19-23 |

**May**

| | |
|---|---|
| Basic Computer Forensics Course | 3-7 |
| Technical Security Equipment | 11-13 |
| Technical Security Countermeasures | 17-21 |

**June**

| | |
|---|---|
| Advanced RF Detection | 21-25 |

**August**

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|---|---|
| Technical Security Equipment | 10-12 |
| Technical Security Countermeasures | 16-20 |

**September**

| | |
|---|---|
| Computer Security Course | 14-16 |
| Technical Security Equipment | 14-16 |
| Technical Security Countermeasures | 20-24 |

Private and off-site training courses are available upon request.