

# **AC2000 Installation**

## ***Open Course Overview***

## **AC2000 Installation Course**

The four day AC2000 Installation course is designed to provide access control professionals with the skills and knowledge required to setup and maintain CEM Systems access control hardware and the AC2000 application suite.

### **Course Duration**

The course will last four full days and attendees will be required to commence at 09:30 and finish at 17:30.

### **Who is it suitable for?**

Installation / support engineers and other professionals involved in 'at the door' hardware installation and troubleshooting and / or software setup and administration.

### **What is covered?**

The course covers all of the core elements involved in setting up and configuring key CEM Systems main hardware products. It also covers software knowledge required to setup and initialise an AC2000 access control system as well as fundamental end user functionality required to operate the system effectively. By the end of the session delegates should be able to:

#### **Hardware**

- Wire and configure the S610 readers.
- Wire and configure the DIU230 door interface unit.
- Wire and configure the emerald™ Intelligent Access Terminal
- Wire and configure the eDCM300/350

#### **Software**

- Install and set up AC2000 server software.
- Install and configure the AC2000 workstation software.
- Perform the initial setup and configuration of an AC2000 access control system.
- Configure and use the applications required to add and manage card holders and system alarms.

### **The Venue**

Training will take place at the CEM Systems Head Office in Belfast, Northern Ireland. If travelling from outside the European Union, visas may be required for entry into the United Kingdom.

CEM Systems Head Office

195 Airport Road West

Belfast

BT3 9ED

Office opening hours: Monday to Friday, 08:30 to 17:30

Main switchboard: +44 (0) 2890 456767



Scan QR code  
to get directions  
from [Google maps](#)

## Trainer

We will be happy to answer your queries and resolve any concerns that you may have.

A trainer may be contacted by:

e-mail: [cem.training@tycoint.com](mailto:cem.training@tycoint.com)

direct dial: +44 (0)28 9045 6767

## Arranging Training

Training requests can now be made online through the CEM Systems website:

<http://cemsys.com/training.php>

CEM Systems (Controlled Electronic Management Systems Limited)

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## Day One

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AC2000 Fundamentals  
& New Features

- Describe the key features of the AC2000 software range
  - Describe the typical AC2000 topology
  - Illustrate the data flow of a card swipe
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Software:  
Installing AC2000

- Installing the AC2000 server software
  - Installing the AC2000 Workstation software
  - Configuring individual workstations for use
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Software:  
Getting started with AC2000

- AC2000 System Overview
  - What data is needed
  - Creating system users
  - Adding readers
  - Creating access groups and levels
  - Creating time zones
  - Designing a pass
  - Card Setup
  - Adding companies
  - Adding and editing cardholders
- 

Hardware:  
Device Fundamentals

- Definition of an intelligent device
  - Common door configurations
  - How AC2000 controls access at a door
  - Workflow for device deployment
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Hardware:  
Installing the Series 610e reader

- Wiring power, inputs and lock to the S610e
  - Wiring the S610e with S610s slave reader
  - Using the on-board reader menus
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## Day Two

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- Hardware:  
Card Validation
- Setting Card Definitions
  - Validate a Card
  - Return / Reissue Cards
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- Software:  
Real Time Alarms and Event Monitoring
- Filters and Shunts
  - Rolling Transaction Display (RTD)
  - Alarm and event display config
  - Alarm and Event Display (AED)
  - Ack/Can
  - One Shot
  - Broadcast
  - Muster Zones
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- Hardware:  
Installing DIU 230
- Wiring power, inputs and lock to the DIU 230
  - Wiring the S610e and S610s slave reader to the DIU230
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- Software:  
AC2000 Web Edition 1
- Setup
  - Dashboard
  - Oneshot
  - Mimic
  - Personnel
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- Software:  
Back Up / Restore
- Backup Types
  - Restore AC2000
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## Day Three

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|--|---|
| Hardware:  | <ul style="list-style-type: none"><li>• Introduction to the unique features</li></ul>                         |
| Installing of the emerald™ Intelligent Access Terminal | <ul style="list-style-type: none"><li>• Wiring the reader</li><li>• Using the on-board reader menus</li></ul> |
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|--|---|
| Software:  | <ul style="list-style-type: none"><li>• Remote Apps</li></ul>   |
| emerald™ Intelligent Access Terminal - Additional Features | <ul style="list-style-type: none"><li>• Intercom</li><li>• Advertisements</li><li>• Pre Access Checklists</li></ul> |
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|-----------|--|
| Software: | <ul style="list-style-type: none"><li>• Thick Client</li></ul>                 |
| Reporting | <ul style="list-style-type: none"><li>• Web Review and consolidation</li></ul> |
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|----------------------|---|
| Software:            | <ul style="list-style-type: none"><li>• Data Housekeeping</li></ul>   |
| AC2000 Web Edition 2 | <ul style="list-style-type: none"><li>• Online Status</li><li>• Log Files</li><li>• Server Time</li><li>• Licensing</li></ul> |
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| Overview of Integrations: | <ul style="list-style-type: none"><li>• Honeywell Galaxy Panel</li></ul>       |
| Intrusion & CCTV          | <ul style="list-style-type: none"><li>• American Dynamics Hybrid DVR</li></ul> |
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## Day Four

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### Assessment

- Written Paper
  - Practical Challenge
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### Course Review

- Summary
  - Q&A
  - Close
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