M211
Harmony Control Unit - S800 I/O with Composer

Learn to configure and troubleshoot Harmony with S800 I/O.

Course type and methods
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands-on sessions and discussion.

Student Profile
This training is targeted to anyone responsible for installation, start-up, and maintenance of Harmony with S800 I/O systems.

Prerequisites
Students should have taken either course M101, Process Control Unit – Rack I/O with WinTools, or M111, Harmony Control Unit – Rack I/O with Composer, or have equivalent knowledge with basic Harmony hardware. Basic knowledge and usage of applications running on the Windows® operating system is also recommended.

Course objectives
Upon completion of this course the participants will be able to:
• Know what information is in the Harmony S800 and S800 I/O documentation, and where to find it
• Know the basic hardware layout including redundancy at all levels
• Describe the various components, supported I/O, communications, specifications, and constraints
• Explain the BRC100/BRC300 and IOR firmware compatibility
• Use proper procedures for flashing firmware
• Install and set up a complete system including MRC and S800
• Configure the appropriate function blocks for S800 I/O, including labeling operations to associate the module with the function block
• Analyze hardware status and troubleshoot using LEDS, Composer, and other tools

Main topics
• Documentation
• S800 I/O architecture
• Hardware, firmware, software set-up
• Controller configuration
• Operation
• Troubleshooting

Duration
The duration is 5 days
## Course Outline

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Introductions</td>
<td>• Review: questions and answers</td>
<td>• Review: questions and answers</td>
<td>• Review: questions and answers</td>
<td>• Review: questions/answers</td>
</tr>
<tr>
<td>• Documentation</td>
<td>• Harmony hardware</td>
<td>• S800 modules and termination units</td>
<td>• S800 harmony operation</td>
<td>• Hardware update BRC300/BRC400, NIS21, ICT13</td>
</tr>
<tr>
<td>• System components and architecture</td>
<td>• S800 introduction</td>
<td>• S800 communications</td>
<td>• S800 harmony configuration</td>
<td>•</td>
</tr>
<tr>
<td>• Firmware/software requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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• Harmony hardware
• S800 introduction
• S800 communications

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• S800 harmony troubleshooting

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