

Application Note:

Configuring a Elegance System with Multiple Master Control Panels

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Overview

This application note describes the configuration of an Elegance lighting control system using up to 4 interconnected Master Control Panels(MCPs). An input on any MCP can control a load or scene on any other MCP. Global scenes can be created such that a scene activated on any MCP will activate the same scene number on other MCPs.

Equipment Required

PC (for programming)
Elegance MCP (2+)
RS-232 Cable (Male to Female, DB-9, Straight Thru pins 2, 3, and 5)
RS-232 Cable(Male to Male, Null Modem, Pin 2 to 3, Pin 3 to 2, Pin 5 to 5) One cable between each 2 MCPs

Software Required

Elegance Configuration Software(version 2.60 or later)

Hardware Setup

MCPs in a multiple MCP setup are connected using a null modem cable between third party ports. The null modem cables must have male connectors at each end. The MCPs are addressed as Units 1, 2, 3, and 4. The cables connect as follows:

| | | |
|---------------|----|---------------|
| Unit 1 | to | Unit 2 |
| Port: RS232-3 | | Port: RS232-2 |
| Unit 2 | to | Unit 3 |
| Port: RS232-3 | | Port: RS232-2 |
| Unit 3 | to | Unit 4 |
| Port: RS232-3 | | Port: RS232-2 |

MCPs must be addressed with the dipswitches on the back of the MCPs. These are the dipswitch settings for the various MCP combinations:

| | | | | |
|---------------|---------------------|-----|-----|-----|
| 2 MCP System: | Dipswitch Settings: | 6 | 7 | 8 |
| MCP 1: | | ON | OFF | OFF |
| MCP 2: | | ON | OFF | ON |
| 3 MCP System: | Dipswitch Settings: | 6 | 7 | 8 |
| MCP 1: | | ON | OFF | OFF |
| MCP 2: | | OFF | OFF | ON |
| MCP 3: | | ON | ON | OFF |
| 4 MCP System: | Dipswitch Settings: | 6 | 7 | 8 |
| MCP 1: | | ON | OFF | OFF |
| MCP 2: | | ON | OFF | ON |
| MCP 3: | | OFF | ON | OFF |
| MCP 4: | | ON | ON | ON |

For programming purposes you will plug your PC into the programming port on Unit #1. You can program all units while connected to Unit #1. **The MCPs should be mounted in the same room.**

Software Setup

You will use the Elegance programming software(Version 2.60 or later) to configure multiple MCPs.

Create a separate ELG file for each MCP. You may wish to include the unit number along with the filename(i.e. jobname1, jobname2, etc.)

Open the ELG file you will use for Unit #1. Click on **Options**. Click on **Multiple Systems**. You will see that on the main screen there is a choice for Unit Address. Select the appropriate Unit # for this file. Your ELG file is now configured for programming a multiple MCP system. Repeat this step for each ELG file.

Click on Inputs from the Menu Bar. You will see that there are 4 choices for Unit # in the Address Input box. The Unit # for the current ELG file is selected by default. This means that the input on the current MCP will control a Load or Scene on the current MCP. If a different Unit # is selected, the input will control a Load or Scene on the selected MCP. Notice that when selecting a Unit # other than the current Unit, you will lose Load and Scene names. This due to the fact that the current ELG file cannot access the data on the other Units. You must

reference a list and know the appropriate Load or Scene number to program Loads or Scenes from another unit on the current input.

Click on the Scenes button from the Menu Bar. Notice that in the Select Scene box there are 2 additional choices: Global and Local. A Global Scene will be activated if the same Scene # on any other MCP is activated. A Local Scene will not respond when the same Scene # is activated on other MCPs. This is a convenient way to make system wide scenes such as ALL ON, ALL OFF, ENTERTAIN, and GOODNIGHT.