

# Huddle Space Demo Program

## Purpose

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Crestron's AV Framework systems provide a predefined user experience and interface with some system behaviors. This example program is designed to educate and provide a "best practice" for custom programming that emulates the AV Framework with a DM-DGE-200-C user experience in a custom programmed system.

The features included in this program are:

1. The same UX and experience of a standalone DM-DGE-200-C.
2. A Standard Fusion implementation.
  - a. The Fusion SSI programming standard as outlined in document #7898C
    - i. This version omits the Text Messaging and Help Messaging portions
  - b. Fusion Asset Model
    - i. Every device has a static asset with custom attributes as appropriate for the device and what it supports.
3. Auto-power On/Off
  - a. Occupancy Based
    - i. On with Occupancy
      1. Powers on Display Device
      2. Presents UX with room details
    - ii. Off with Vacancy
      1. Powers off Display Device
      2. Clears all switches
      3. Truncates Meeting (If meeting in process)
  - b. Manual Off (Lighting system driven for the example)
    - i. Powers off Display Device
    - ii. Clears all switches
    - iii. Truncates Meeting (If meeting in process)
4. Auto-Switching with FILO (First In Last Out)
  - a. Connections are tracked by last device to be active
  - b. If a device leaves the list the stack (FILO queue) is re-ordered to remove the non-present source

## Prerequisites

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This simplified program is targeted too any programmer that is ready for or completed CTI-P201.

Difficulty:

Intermediate; recommend completing CTI-P201 and have actively programmed a complete system.

Software Versions (minimum):

Crestron Smart Graphics	2.12.14.01
Crestron Database	62.00.002.00
Crestron Toolbox	2.42.703.00

Device Database	83.00.001.00
SIMPL Windows	4.06.01.00
SIMPL Windows Library	508
SIMPL+ Cross Compiler	1.3
VisionTools Pro-e	6.1.04.30

Firmware Versions (minimum):

3 Series Processors	1.501.0105
DM-DGE-200-C	1.3075.00021
AM-100	1.4.1
AM-101	2.4.2

## Updates

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V1.0

Initial Release

## Signal Flow

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