Converging Systems Inc.

User Interfaces

IMC-100 and ILC-100 Devices

Stewart Filmscreen

Version 2.4

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Revision History

Date	Version	Description	Author
03/183/09	1.0	Initial Draft	TS

Referenced Hardware/Firmware

Applicable Firmware	Version
IMC-100T	Version 5.9
E-Node	Version 1.13
Pilot Application	Version 2.1, build XX

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1 Control Device Overview

The IMC-100 is a robust networking control devices designed to control projection screens, and window coverings. A sister product, the ILC-100, is designed to control LED accent lighting and other types of LED lighting devices. Each of these control devices embeds a sophisticated bi-directional bus architecture and rich software command set to enable supported devices to be operated individually, or as a system. Additional hardware and software available from Converging Systems can be used to commission and operate these products from virtually any home automation device including infrared, serial, Ethernet or wireless devices.

Depending upon your particular configuration, one or more user interfaces is recommended. Please see table below for your specific configuration

1 Keypad Compatibility Reference Information

1.1 One or more Screens or Window Coverings with IMC-100s

1.1.1 Target Application

This user interface is targeted for the following configurations:

-One or more Stewart Cabaret screens (controlled with IMC-100s) which need to be operated individually or jointly
-One or more Stewart Blind/Window covering devices (controlled with IMC-100s) which need to be operated individually or jointly

Config #	BSKP-3	BSKP-5	BSKP-11-MST	BSKP-11-ILC
M (101)	☐ **Alternate** Yes (controls one motor or set of motors in unison with Ch. 1 U/D controls)	☑ **Recommended** Yes (controls one motor or set of motors in unison with Ch. 1 U/D controls). Ch 2 buttons reserved for secondary motor.	☐ **Alternate** Ch 1 U/D controls Motor 1 and Ch B U/D controls Motor 2. Or Group 1 button selects Motor 1, and Ch 1 U/D controls Motor 1. Group 2 button selects Motor 2, and Ch 2 U/D moves controls Motor 2	N/A

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1.2 Cabaret Screen (with IMC-100) with Monochromatic LED accent lighting (controlled by ILC-100)

1.2.1 Target Application

This user interface is targeted for the following configurations:

-Stewart Cabaret screens (controlled with IMC-100s) with integrated monochromatic LED accent lighting accessory (controlled with ILC-100) and specified user interface
-Stewart Window covering system (controlled with IMC-100) with integrated monochromatic LED accent lighting accessory (controlled with ILC-100) and specified user interface

Config #	BSKP-3	BSKP-5	BSKP-11-MST☑	BSKP-11-ILC
MM (102)	N/A	☑ **Recommended** Yes, Ch 1 U/D controls Motor 1. In addition, the Ch 1 Up button is also linked to invoke a customer-preprogrammed LED preset #1[1]. The Ch 1 Dn button is similarly linked to invoke a customer-prereprogrammed LED preset #2[1]	☐ **Useable** Ch 1 U/D controls Motor 1 and Ch B U/D controls Motor 2. Or Group 1 button selects Motor 1, and Ch 1 U/D controls Motor 1. Group 2 button selects Motor 2, and Ch 2 U/D moves controls Motor 2 **LED Note**: In addition, the Ch 1 Up button is also linked to invoke a customer-preprogrammed LED preset #1[1]. The Ch 1 Dn button is similarly lnked to invoke a customer-prereprogrammed LED preset #2[1]	**Not required if only two lighting presets are specified**. If additional LED lighting presets are required, these presets can be set and programmed with this keypad. This keypad is then used to select those additional presets only[2]

Note: [1] See section 1.2.1 below for method to preprogram LED presets #1 and #2

[2]See section 1.2.2 below for method to preprogram LED presets #3-#6

1.2.1 LED Lighting Presets (Factory Default Preset #1 and #2)

References to two (2) *general* LED lighting presets are automatically linked in software on the above referenced keypads (with the "Up" and "Down" buttons of Channel 1). The exact state of these presets can be customer programmed in the field without any

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additional hardware or software. Following the directions below to make make these settings.

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1.2.2 Additional LED Lighting Presets (Presets #3-#6)

If additional LED lighting presets are desired, these presets can be initially set and subsequently selected through the BKPS-11-ILC (or through serial commands in the future). Following the directions below to make make these settings.

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1.3   Cabaret Screen (with IMC-100) with Tri-Colored LED accent lighting (controlled by ILC-100)

1.3.1 Target Application

This user interface is targeted for the following configurations:

-Stewart Cabaret screens (controlled with IMC-100s) with integrated tri-colored LED accent lighting accessory (controlled with ILC-100) and specified user interface
-Stewart Window covering system (controlled with IMC-100) with integrated tri-colored LED accent lighting accessory (controlled with ILC-100) and specified user interface.

Config #	BSKP-3	BSKP-5	BSKP-11-MST ☑	BSKP-11-ILC
MT (103)	N/A	☑ **Recommended** Yes, Ch 1 U/D controls Motor 1. In addition, the Ch 1 Up button is also linked to invoke a customer-preprogrammed LED preset #1[1]. The Ch 1 Dn button is similarly linked to invoke a customer-prereprogrammed LED preset #2[1] ***Note**: For single motor installs Ch 2 is	☑ **Alternate to BSKP-5** Ch 1 U/D controls Motor 1 and Ch B U/D controls Motor 2. Or Group 1 button selects Motor 1, and Ch 1 U/D controls Motor 1. Group 2 button selects Motor 2, and Ch 2 U/D moves controls Motor 2 ***LED Note**: In	☑ **Required** All tri-colored LED settings require this keypad for initial setup and for custom adjustment of lighting levels and selection of lighting levels subsequently. Two basic LED presets are available through the BSKP-5 only. Additional lighting control is only possible through the BSKP-11-ILC[2]

| | | not utilized for motor control but is utilized during the customer programming process. | addition, the Ch 1 Up button is also linked to invoke a customer-preprogrammed LED preset #1[1]. The Ch 1 Dn button is similarly lnked to invoke a customer-prereprogrammed LED preset #2[1] | |

Note: [1] See section 1.3.1 below for method to preprogram LED presets #1 and #2

[2] See section 1.3.2 below for method to preprogram LED presets #3-#6

1.3.1 LED Lighting Presets (Factory Default Preset #1 and #2)

References to two (2) *general* LED lighting presets are automatically linked in software on the above referenced keypads (with the "Up" and "Down" buttons of Channel 1). The exact state of these presets can be customer programmed in the field without any *additional hardware or software. Following the directions below to make make these settings.

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1.3.2 Additional LED Lighting Presets (Presets #3-#6)

If additional LED lighting presets are desired, these presets can be initially set and subsequently selected through the BKPS-11-ILC (or through serial commands in the future). Following the directions below to make make these settings.

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