



Binary Reciprocal Intelligent Controller (BRIC) GOLD Sales and Setup Manual

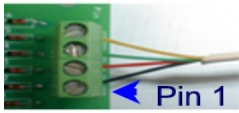
<p>Revision V.1.2 Date: August 26, 2009 © Converging Systems Inc. 2009</p>	<ul style="list-style-type: none"> *Optimized to control a wide variety of motorized, retractable Stewart Filmscreen screen systems *Enables specific control of horizontal and vertical aspect ratio motorized masking devices with automatic trap door, if provided *Simple building block system eliminates the complexity of current offerings *Able to be simply added to an Elan, AMX or Crestron system using CAT5 wire and RS-422 or RS-232C communication
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<p>Key Features –INPUT SOURCES</p> <p>System allows input from the following external control devices to activate preprogrammed presets for various aspect ratios:</p> <ul style="list-style-type: none"> *Stewart 11 button keypad *Stewart 12-button IR remote *Stewart Remote IR sensor (using an external Universal remote, Pronto, or Home Automation with IR output) *External single or dual channel STI trigger systems (any 12 volt systems) *Third Party Home Automation Systems (VIA by Elan, Crestron, AMX) 	<p>Key Components - BRIC SYSTEM</p> <ul style="list-style-type: none"> -BRIC Control Unit -Architectural 11-button keypad -Slim 12-button IR Custom IR Remote -Digital Screen Encoder Package -120V system (currently) -Can be integrated with second BRIC system to control additional masking panels (master and slave unit) 	<p>Accessory - 11 Button Keypad (incl.)</p> 	<p>Features - 11 Button Keypad</p> <ul style="list-style-type: none"> -Support storage and retrieval of up to 5 custom screen/masking settings -Enables UP/DOWN/STOP control of up to two motors -Enables UP/DOWN of a third motor or (vertical) masking panel -Provides the Installer with the ability to program new settings without any additional tools -Backlit blue illumination (selectable on/off) -Uses std CAT 3/5 wiring (4 wires) to BRIC -Decora® packaging (White)
<p>Accessory - 12 Button IR Remote (incl.)</p> 	<p>Features - 12 Button IR Remote</p> <ul style="list-style-type: none"> -Duplicates the functionality of 11 Button Keypad -Can be used to program third-party universal remotes and Pronto® -type remote devices -Programming of Presets with just two buttons -Attractive, unique WHITE packaging (easier to find in the dark) 	<p>Accessory – Remote IR Receiver Unit</p> <ul style="list-style-type: none"> -Remote IR Receiver Device to enable control of BRIC system when either there is no keypad or the keypad is out of site. -Accessory package has leads that connect directory to BRIC 	<p>Accessory-Serial Connection (incl.)</p> <ul style="list-style-type: none"> -On-board RJ-45 jack enables control from third-party home automation systems using RS-232C or RS-422 communication. -Serial code libraries available so that any remote controlling device can easily support the BRIC -Libraries will be available from ELAN Home Systems and Creston and AMX in the future. -No need to waste a day programming third-party systems to support functionality of Stewart control technology. Hook-up and programming able to be accomplished in 15 minutes.

Wiring - 11 Button Keypad

Mach I keypad (with 4 pin screw connector on rear)

-Use standard CAT3/5 or phone wire to connect 4 pin connector on BRIC to 4 pin connector on BRIC



Wiring:

- Pin#1 on J5 of BRIC connects to Plug #1
- Pin #2 on J5 of BRIC connects to Plug #2
- Pin #3 on J5 of BRIC connects to Plug #3
- Pin #4 on J5 of BRIC connects to Plug #4

Mach II keypad (BSKP-2110-B) with RJ on rear.

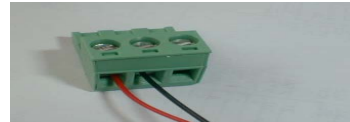
Wiring:

- Pin#1 on J5 of BRIC connects to RJ #5
- Pin #2 on J5 of BRIC connects to RJ #4
- Pin #3 on J5 of BRIC connects to RJ #3
- Pin #4 on J5 of BRIC connects to RJ #2

Wiring – STI Interface

-Use standard CAT3/5 or phone wire and connect a pair of wires between the STI interface on the projector and the BRIC.

-If there are two STI connectors on the back of the projector (16:9 and 4:3), connect the default output (when the projector is first turned on) to the appropriate channel on the BRIC (whichever preset you want to activate on power-on), and connect the other pair to the other channel on the BRIC

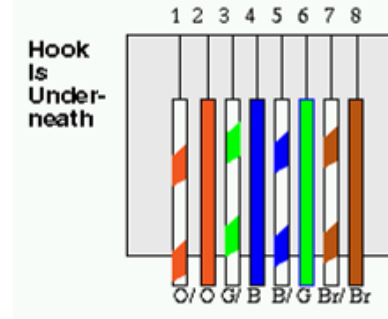


Wiring:

- STI #1chn. A + connects to BRIC J7 pin1
- STI #1 chn A grn .connects to BRIC J7 pin2
- STI #2 chn. B.+ connects to BRIC J7 pin3
- STI #2 chn B grn. connects to BRIC J7 pin2

Wiring – Serial Interface

-Use standard CAT5 wire and connect a three wires between the RJ-45 interface on the BRIC to a DB-9 or similar connector compatible with the external serial control unit.



Wiring:

- Pin#3/5 on BRIC connects to DB-9 pin #5
- pin# 4 on BRIC connects to DB-9 pin #2
- pin#6 on BRIC connects to DB-9 pin #3

Wiring – AC Connections

-Use 2 wire 12 or 14awg with ground and connect to pigtails provided at BRIC.

NOTE: Be sure to follow all local and national electrical codes and make sure you turn power off to the branch circuit before making the connections to the BRIC

Programming - 11 Button IR Remote

To Set A Preset

- Push CHANNEL A Up or Down button until screen reaches appropriate position.
- Push CHANNEL B Up or Down button until mask reaches appropriate position.
- (optional) Push CHANNEL C Toggle Button until mask reaches appropriate position.

Now push and hold the Preset button that you wish to program and while holding it, TOGGLE THE * BUTTON.

Then release the Present Button and you are done

Programming - 12 Button Keypad

To Set A Preset with Various Motors

- Push CHANNEL A Up or Down button until screen reaches appropriate position.
- Push CHANNEL B Up or Down button until mask reaches appropriate position.
- (optional) Push CHANNEL C Toggle Button until mask reaches appropriate position.

Mach II keypad (BSKP-2110-B)

Press Preset Button that you wish to program and hold button for 5 seconds and release after beep.

Mach I keypad (11 button BSKP)

Push and hold the * button and toggle Preset Button that you wish to program. Release * button.

11-Button Keypad-BACKLIT Illumination

Mach II keypad (BSKP-2110-B)

To Turn Backlight LEDs ON

-Push CHANNEL A Up and hold for 5 seconds until you hear a two-tone beep. Release.

To Turn BackLit LEDs OFF

-Push CHANNEL A Down and hold for 5 seconds until you hear a two-tone beep. Release.

Mach I keypad (BSKP-11 button)

To Turn Backlight ON

-Push and hold CHANNEL A Up and toggle * button Release Chn A button.

To Turn Backlight OFF

-Push and hold CHANNEL A DN and toggle * button . Release Chn A. button.

NOW ENJOY YOUR MOVIE AND YOUR STEWART FILMSCREEN

