For installations using a Crestron, Extron, AMX or other brand control system
Size of components are exaggerated for easier viewing

At the Instructor’s Desk:
1. Mount the CSIM in a location that is convenient to connect to your
controller or NOVA’s ISI.
2. Attach the mounting bracket for the CSIM and snap the CSIM in place
CSIMs require a power adapter (included).
3. Plug the CAT6 cable from the controller or ISI into one of the RJ45 jacks on
the CSIM.
4. Plug a CAT6 cable into the other RJ45 jack on the CSIM and attach the other
end of this cable to the first LCI at the student desk.

Note: Instructions are available, for programming a Crestron, Extron, AMX or other
major brand controller to work with NOVALinked™.

At the Student’s Desks:
1. Attach the LCIs near each Trolley” monitor lift, typically these are located
in the iMod compartment of NOVA’s 26 or 46 Series furniture. There are
pre-drilled holes in these units for attaching the bracket. The LCI snaps
into the bracket.
2. Locate the black and red USB connectors inside the Trolley.
3. Remove the splice connector from the USB cables and discard it.
4. Connect the black and red USB cables to the LCI as indicated.
5. Follow the wiring diagram to connect each LCI component with CAT6 cable
6. Junction boxes may be used to connect from row-to-row. These can be
located anywhere within the row as is convenient for running cabling.

Should you have any questions during installation or operation, please contact us at:
800-730-6682.
INSTRUCTION MANUAL

INSTRUCTION MANUAL

Integration requirements and instructions for controls systems
Relay Information...

Three additional relays are required for the NOVALinked™ option to work properly with a control system.

- Relay 1 should be programmed as a set of dry contacts with ON and OFF functionality
- Relay 2 should be configured as a momentary switch that can be utilized for the UP command
- Relay 3 should be configured as a momentary switch that can be utilized for the DOWN command

Control System Programming Menu/Pages...

Create an area (or preferably a separate page/menu) labeled NOVALinked™, monitors, or some other descriptive label. This page will contain the programming that utilizes the three additional relays previously mentioned.

The Control System page/menu should contain two buttons; one labelled “ON” or “Networked” and the second labeled “OFF” or “Local Control.” These buttons will activate and deactivate Relay 1. In addition, create a separate “UP” button (Relay 2) and a “DOWN” button (Relay 3).

If the “On/Networked” button is selected it should change colors to indicate that it has been activated.

When activated, the local “UP” and “DOWN” buttons, located on The Trolley units at each user workstation will be disabled. The Control System menu/page “UP” and “DOWN” buttons will be active allowing The Trolleys to be controlled using the Control System menu/page only.
As a best practice when the “OFF” button is selected then the “UP” and “DOWN” buttons on the Control System page/menu should also be disabled. If they are still active in the programming and the user sends an “UP” or “DOWN” command to The Trolleys, the units will not respond. Additionally local buttons on The Trolleys will not be disabled at the user workstations.

ON – enables the CSIM that establishes communications with the LCI(s) for each Trolley. This locks out the local “UP” and “Down” buttons on each of The Trolleys and only allows for control by using the “UP” and “DOWN” buttons located on the Control System page/menu.

OFF – Disables the CSIM that tells the LCI(s) to release the control back to the local “UP” and “DOWN” buttons on each of The Trolleys.

Sample Page/Menu...

“OFF” or “Local Control” (Mode) — The Up and Down functions will no longer work from the Control System page/menu. The Up and Down functions for each trolley can only be controlled at the local workstation. Please follow previously noted “best practice” statement when programming.
“ON” or “Networked” (Mode) — The Up and Down functions are now active on the Control System page/menu and local “UP” and “DOWN” buttons will be disabled on all Trolleys connected to the NOVALinked™ System (NLS).

Control System Wiring Configuration:

Step 1: Cut the end off of the cat5 or cat6 cable that will be connected to the control system’s relays. Strip the wires then separate each of them. Cut the [Green], [Green/White], and [Brown/White] completely off.

Step 2: Relay #1 – Slightly strip and connect the [Brown] wire to port 1 on relay #1 then the [Blue] and Orange wires to port 2 on relay #1. Also add two jumper wires on port 2 with the Blue and Orange wires. These will connect with relay #2 and #3.

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Step 3: Relay # 2 – Slightly strip and connect the [Orange/White] wire to port 1 on relay # 2 then in port 2 connect one of the jumper wires from relay # 1. (UP Command) Note: The program needs to be configured with a 3 second delay for this momentary switch.

Step 4: Relay # 3 – Slightly strip and connect the[Blue/White] wire to port 1 on relay # 3 then in port 2 connect the final jumper wire from relay # 1. (Down Command) Note: The program needs to be configured with a 3 second delay for this momentary switch.