

Showstopper

Operating Instructions v1.0

Showstopper is a dedicated emergency stop system and USB cue control station. All Stagehands require a signal from Showstopper to operate.



The front panel of Showstopper has:

1. System ready indicator - This light will illuminate whenever the Emergency Stop is released, indicating that the system is clear to move.
2. Emergency Stop - The big red button will disconnect power from all motors instantly. Push it down to stop all motors. To release, twist the button clockwise. Once released, every motor will remain stopped until the next cue.
3. Go Cue - This will start the cue that is currently loaded in Avista.
4. Stop All Cues - This button will cause all motors to decelerate to a stop. This will abort any cue that is running and "soft-stop" the motors.
5. Prev Cue - Loads the previous cue in Avista.
6. Load Cue - Brings up a dialog box in Avista that will allow you to enter a cue number to load.
7. Next Cue - Loads the next cue in Avista.



The rear panel of Showstopper has:

1. AC Input - 120VAC fused inlet. The fuse will protect Showstopper from excessive current. The fuse is a 5mm X 20mm 1.4A fuse.
2. Emergency Stop Outputs - There are six (6) outputs to connect Stagehands to Showstopper. The sockets are 5-pin XLR. More outputs can be gained by using Showstopper Hubs.
3. Remote | E-Stop switch - This switch will allow output #1 to be used as either a normal E-stop output or as a dedicated remote line so that Showstopper Remotes can be used.
4. USB cable - This cable provides a connection to a PC running Avista software. The USB connection is required for using the cue control functionality of Showstopper, but it is not required for the Emergency Stop system.

General Operation

1. Depress the Emergency Stop button.
2. Connect all Stagehands to Showstopper with Showstopper cables (5-pin XLR)
3. Connect Showstopper to 120VAC power.
4. Connect the USB cable to a PC running Avista (Showstopper is a plug-n-play device and does not require any special installation).
5. Release the Emergency Stop button and confirm that all Stagehands no longer display an "E-Stop!!" condition.
6. To stop all motors at any time, press the Emergency Stop button.

Specifications

Input Power	120VAC at 1.4amps
Fuse	5mm X 20mm 1.4amp
Output Signal	24vdc
Max Output Current	2.5 amp
E-Stop connector	5-pin XLR
Communication Protocol	USB