



Key Features

- Provides redundancy in the event of a system failure
- Up to 22 channels; ten channels as standard
- Fully-scalable
- Functions at Gigabit speeds on networks designed for uncompressed media
- Expansion cards include universal and passive options, SD/HD/3G option
- Front mounted redundant PSU option
- Ethernet port with integrated Vector Web Browser and SNMP
- Vector Web Browser displays extensive status messages
- Integrates with Mentor RG SPG/TSG

For added reliability, main and reserve Mentor™ RG units may be deployed with the Mentor CX auto changeover to create a highly resilient signal generator solution.

Description

The Mentor CX changeover unit provides manual, GPI, or automatic changeover between a pair of Mentor RG sync generators for the maximum possible availability for on-air applications. Capable of switching up to 22 channels of mixed video, audio and timecode signals, the Mentor CX will cover many applications where more than one main sync and test generator needs to be backed up. The base unit has a total of ten channels comprising of four unbalanced channels of monitoring and switching of any combination of analog signals, two unbalanced channels of monitoring and switching SDI video, and four unbalanced channels of AES or LTC signals with format detection. Analog signals include Black Burst, Tri-Level Sync, AES/DARS, Word Clock 10 MHz or 27 MHz. SDI video includes SD/HD/3G.

Option cards add two channels of monitoring and changeover of analog signals or two channels of monitoring and changeover of SD/HD/3G video with format detection. A passive card is available to follow changeover events triggered by active cards that can switch digital or analog formats. Using option cards, a Mentor CX can support up to 22 channels.

Power and Indicators

The Mentor CX features a front-mounted, hot-pluggable PSU with the option to add a second front-mounted redundant PSU. Indicators on the front of the CX display the lock status of the two Mentor RG's and the PSU status with an overall alarm bar to show alarm status. Individual front-mounted LEDs show the A/B status of each channel fitted.

Vector and Monitoring

SNMP and GPIO functionality adds to the broad range of setup and monitoring facilities managed by the Vector Web Browser tool, which can be combined with two Mentor RGs to show an overview of the entire system's status. The Mentor CX Vector Web Browser gathers information from both Mentor RGs so that status of the system is presented clearly. Extensive PTP, GPS and sync A/B status is shown in real-time, ensuring the user can view all of the critical information needed for such a high availability system.

Technical Specifications

Power

Nominal 100-240V AC, 50-60Hz
100W max, fully equipped
Dual IEC mains connectors

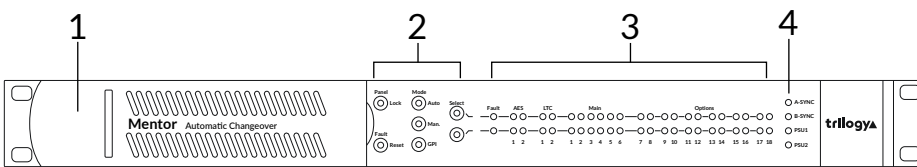
Dimensions

1.75 x 19 x 17.05in (HxWxD)
(44 x 483 x 433mm)

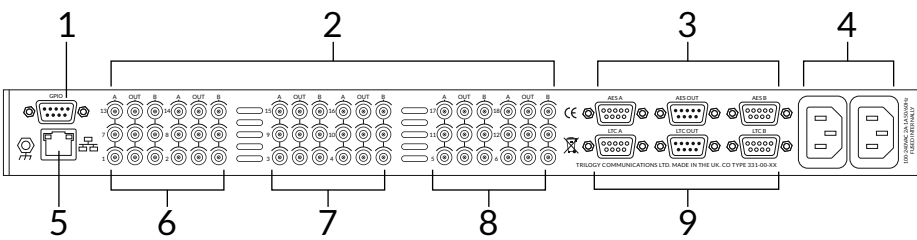
Weight

11lbs (5kg) max

Front Panel



Back Panel



Vector Web Browser



Legend

Front Panel

1. Front mounted PSU cover
2. Controls
3. Channel status LEDs
4. Sync and PSU status LEDs

Back Panel

1. GPIO Connector
2. Option boards channels 7 - 18
3. Balanced AES channels 1 & 2
4. Main and backup IEC inlets
5. Ethernet port (Vector, SNMP) 1Gb
6. Standard SDI channels 1 & 2
7. Standard Analog channels 3 & 4
8. Standard Analog channels 5 & 6
9. Balanced LTC channels 1 & 2

NOTE: AES/LTC channels can be used for either signal.

Order Codes

331-00-02: Base model with single PSU and 10 channels of detector/changeover

Optional Module Cards:

331-20-00: 2-channel Universal card

331-21-00: 2-channel Passive card

331-22-00: 2-channel SD/HD/3G video card

331-50-00: PSU module