

Digital Reclocking DA with EDH Monitoring & Insertion

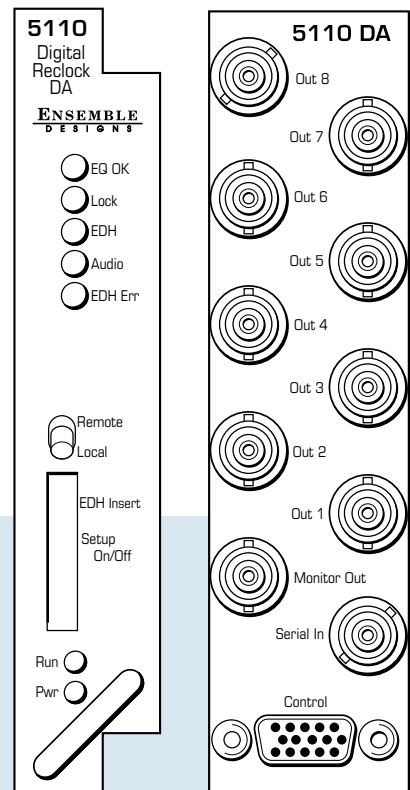
The 5110 module is a digital reclocking distribution amplifier with EDH monitoring and insertion. Jitter reduction makes it perfect for all types of digital signal distribution.

Input EDH errors can be detected and reported and new EDH can be created and incorporated into the output data streams. Flags and CRCs are reported. From the Avenue Touch Screen interface, Avenue PC and from the web browser, EDH error counters can be read and reset to show the frequency of errors.

Module parameters, such as detected line standard, EDH processing options, and maximum input cable length, can be monitored and adjusted locally and remotely. Remote control is accessed via Avenue Panels and the Avenue PC Control Application.

Features

- » Eight serial digital outputs
- » One composite monitor output
- » Reclocking and jitter reduction
- » EDH monitoring and insertion
- » User-definable alarms
- » EQ warning circuit
- » Local and remote control of module settings
- » Passes embedded audio



Input Signal

Number One
Signal Type Serial Digital SMPTE 259M
Impedance 75 Ω
Return Loss 143, 177, 270 Mb/s >15 dB
360 Mb/s >15 dB
Max Cable Length 300 meters Belden 1694A

Serial Output Signal

Number Eight
Signal Type Serial Digital SMPTE 259M
Impedance 75 Ω
Return Loss 143, 177, 270 Mb/s >15 dB
360 Mb/s >15 dB
Output DC None (AC coupled)

Composite Monitor Output

Number One
Signal Type NTSC/PAL
Impedance 75 Ω
Return Loss >40 dB
Output DC <±200 mV
Response ±0.25 dB,
10 kHz to 5.0 MHz
K Factor <1.5%

General Specifications

Power Consumption <4.0 watts
Temperature Range 0 to 40°C ambient
(all specs met)
Relative Humidity 0 to 95%, noncondensing
Altitude 0 to 10,000 ft

