IP-DXL DISPLAY CONTROL CENTER

DATASHEET

Contemporary Research's IP-DXL Display Control Center is the newest product for display control over Ethernet, sending control commands as UDP broadcast data packets to all QIP-D and QIP-DVX IPTV Decoder/Controllers on the network. Its flexibility allows it to communicate with individual displays, groups, zones, or all displays using any one of three software options: the onboard DX Lite web page, Display Express Software from Contemporary Research, or third-party control systems.

The IP-DXL Display Control Center sends commands for channel, volume and power to the QIP-D and QIP-DVX IPTV Decoder/Controllers. The QIP-D and QIP-DVX IPTV Decoder/Controllers are MPEG2/H.264 IPTV Decoders with built-in display control and have an onboard database of control protocols for common displays. Display, power, and source selection commands are sent through the decoder/controllers and translated to the protocol specific to the display. As a result, custom programming is not required for display control.

DX Lite Web Page
The DX Lite web page can be configured to control up to 128 TVs, 24 channels, and 16 groups. No additional software is required, and the entire system can be controlled from any web-enabled device such as a smartphone or tablet.

Display Express Software
By purchasing the additional Display Express Software which resides on a PC, the Display Control Center can be expanded to support up to 4000 TVs and 256 channels. The software offers increased flexibility by providing the ability to define presets, perform advanced scheduling, configure multiple user levels, zones, etc. Note: DX Lite does not convert to Display Express. The user must reconfigure the complete system with the new software. If using Display Express Software, please refer to the "Display Express Software Manual" for detailed instructions.

Custom Control Systems
Custom control systems can connect to the Display Control Center through RS-232, front or rear panel USB, or Ethernet, sending commands via the published Contemporary Research ICC-Net protocol, controlling all decoders and displays through a single control port.

Emergency Alert System
Logic inputs can be programmed to recall an EAS (Emergency Alert System) channel and restore previous channels at the termination of the alert

Specifications

Physical
Size: 8.5" [316mm] wide x 1.75" [38mm] high (1RU) x 8" [203mm] deep
Weight: 1.5 lbs. [680g]
Rack mounting for one or two units side-by-side with included RKU

Front Panel
Display: Text Display, white text on blue LCD
Control Buttons: SETUP, SELECT, and Up/Down/Left/Right arrows
USB: Mini-B USB Port

Rear Panel
Control Connections – Ports can operate simultaneously.
Ethernet: 10/100BASE-T RJ-45 jack
RS-232: DB9 female, RS-232 data link
       2 – Rx
       3 – Tx
       5 – GND
USB: Mini-B USB Port
I/O 1 & 2: 6-pin captive screw terminal
       1 – PWR+   Power, 12 VDC, 250 mA max *(using the included 500 mA power supply)*
       2 – OUT2   Output 2
       3 – OUT1   Output 1
       4 – IN2   Input 2
       5 – IN1   Input 1
       6 – GND-   Ground
Both the front and rear panel USB ports and the RS-232 port all perform the functions of control and firmware updates.

Power Connections
Power In: 2.1 mm coaxial jack (inside center conductor positive), 11 to 18 VDC, 12 VDC typical, 250 mA maximum

Includes
12 VDC Power Supply, 500 mA 110/220VAC, 60/50 Hz
Embedded DX Lite software
RKU Universal Rack Mount Kit