



Quick Start Guide for Cisco Digital Media Encoder 1100

Revised: OL-17934-01, November 10, 2008

There are four requirements for setting up Cisco Digital Media Encoder 1100 for streaming or capturing video, as follows:

- AC power source (100~240v)
- Audio/Video source (camera, video player, or other A/V output device)
- IP network and/or Internet connection
- First Start setup

Most of the basic operations you will routinely use are performed from the front panel of the encoder, shown in [Figure 1](#).

Figure 1 **Front Panel.**



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

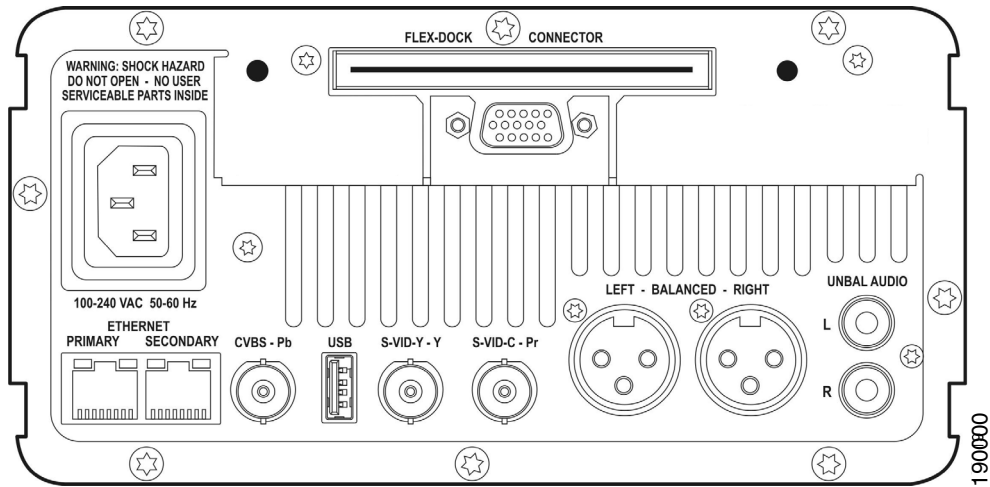


Note There are advanced setup options of the encoder that you will need to modify before running an encoder session. You will use the *Niagara SCX® Web Interface* to access these options. Refer to the *User Guide for Cisco Digital Media Encoder 1100* for detailed instructions.

Connecting to an Electrical Power Source

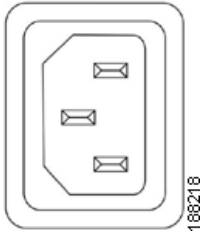
Figure 2 shows the rear panel of the encoder.

Figure 2 Rear Panel



Using the reference chart and images in Table 1, you can connect the appropriate device and power to the encoder.

Table 1 Rear Panel Power Connections

Connection	Description
<p>AC Power connector for 100-240 volts, AC, 50-60 Hz</p> 	<p>Plug the power cable that was include with your encoder to this connector and plug the opposite end into an AC power source or electrical wall outlet.</p>

Connecting Audio and Video Sources

Table 2 show the audio and video sources on the rear panel of the encoder.



Note

Three BNC-to-RCA adapters are included with your encoder. This will convert the Component and Composite BNC connectors to a common RCA connector found on most consumer video cameras and video players.

Table 2 Rear Panel Connectors and Components






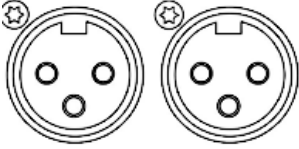
Connection	Description
Analog Inputs—Video	
<p>Component BNC Input</p> <p>CVBS - Pb S-VID-Y - Y S-VID-C - Pr</p> 	<p>The encoder includes inputs for Component video input and includes BNC-to-RCA adapter.</p>
<p>Composite BNC Input</p> <p>CVBS - Pb</p> 	<p>The encoder includes a BNC-to-RCA adapter so that you can connect a composite RCA video cable to this BNC connector. Composite RCA connectors are found on most video playback equipment, such as video players and video cameras. Composite BNC connectors are found on professional video playback equipment.</p>
<p>S-Video Input</p> <p>S-VID-Y - Y S-VID-C - Pr</p> 	<p>This is a standard consumer video connector found on most video players and video cameras.</p>

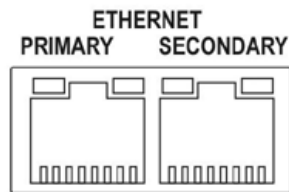
Table 2 Rear Panel Connectors and Components (continued)

Analog Inputs—Audio	
<p>Unbalanced Audio Input</p> <p>UNBAL AUDIO</p> <p>L </p> <p>R </p>	<p>These RCA connectors provide left and right stereo input. RCA connectors are a standard consumer stereo audio connection found on most video players and video cameras.</p>
<p>Balanced Audio Input</p> <p>LEFT - BALANCED - RIGHT</p> 	<p>These XLR connectors provide left and right balanced stereo input. XLR connectors are used by professional audio engineers and are found on high-end audio and video playback equipment.</p> <p>Note A microphone preamplifier or mixer with XLR preamp functions is required to connect a XLR microphone to the Balanced Audio Input.</p>

Connecting to an IP Network

The encoder provides two network 1 Gigabit Ethernet network connections (Figure 3). These connectors are also referred to as output connectors because the encoder sends video and audio over an IP network, which these connections provide.

Figure 3 RJ-45 Ethernet Connector




Note

If you are not familiar with network protocols, please contact your network administrator for assistance.

The encoder network settings default to dynamically obtain an IP address from a DHCP server on the network.

If a DHCP server is not available or cannot be found on the network, then the encoder will assign its own IP address.





For most network environments, it will not be necessary to modify these default settings. However, if you wish to assign a static IP address to the encoder’s Network Interface Cards (NICs), then you can change the network setting by using the encoder front panel menu. For detailed instructions, please refer to the *User Guide for Cisco Digital Media Encoder 1100*.

Completing First Start Setup

The first time the encoder is powered, the LCD display will present a series of menus that will assist in setting up the system clock, date, and video input format (NTSC [North America/Japan] or PAL).

[Table 3](#) lists and describes the buttons on the front panel of the encoder that you will use to complete the first start setup.

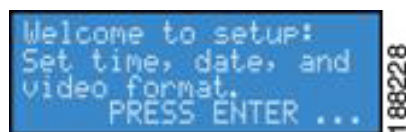
Table 3 **Front Panel Buttons**

Icon	Description
	Power button
	Enter button
	Up and down arrow keys
	Stream button

1. To start the encoder, press the **<POWER>** button located on the front panel.
2. During the power up process, the encoder LCD readout displays the following message:



3. After the encoder powers up the first time, it displays the following message:



4. Press the **<ENTER>** button to begin the initial setup.
5. The encoder will now ask you to set the date.



188230

6. To set the date, use the <UP> and <DOWN> arrow keys to increment the numerical value of the month.
7. Once you set the numerical value for the month, press the <STREAM> button to move to the day field.
8. Again, use the <UP> and <DOWN> arrow keys to increment the numerical value of the day.
9. Press <STREAM> to enter the value and move to the year field.
10. Use the same process for setting the month and day so that you may set the year.
11. If you want to change a previous setting, you can continue pressing the <STREAM> button until the cursor cycles around to the month.
12. Once you are satisfied with your settings, you then press the <ENTER> button to accept the settings and move to the next screen to set the system clock.
13. The encoder uses Military Time, which is a 24-hour clock format, for its system clock entries.



188233

14. Use the <UP>, <DOWN>, <STREAM>, and <ENTER> buttons to set the hour and minute of the system clock.
15. The last setting is the selection of the video input format that you will enter into the encoder.
16. You will see the following prompt message:



188234

17. Press the <ENTER> button to continue.
18. Select your video source format from either NTSC or PAL.



188235

19. Press the <ENTER> button to set the format, and the final screen will appear confirming that you have successfully set up your encoder.
20. Press the <ENTER> button to exit the setup menu and begin using your encoder.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

CCDE, CCENT, Cisco Eos, Cisco Lumin, Cisco Nexus, Cisco StadiumVision, Cisco TelePresence, Cisco WebEx, the Cisco logo, DCE, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn and Cisco Store are service marks; and Access Registrar, Aironet, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, EtherFast, EtherSwitch, Event Center, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, iQuick Study, IronPort, the IronPort logo, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerPanels, ProConnect, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0809R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2002-2008 Cisco Systems, Inc. All rights reserved.

