System

Login

**Duration** 

Network

Time

NTP

**Alarm** 

**SNMP** 

COM<sub>2</sub>

**Features** 

Name

**Firmware** 

CAS

Mode

**Clear SW** 

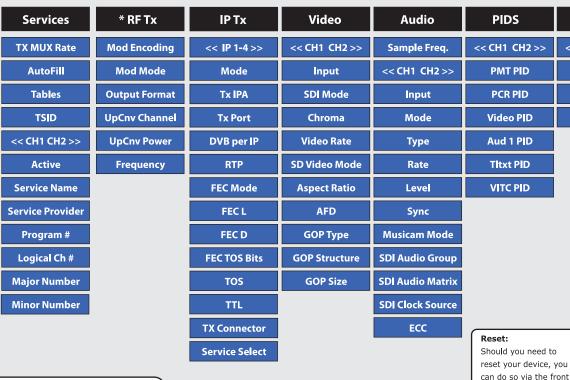
**Encrypt SW** 

User ID 1

User ID 2

Thank you for your purchase of the Adtec EN-20 Encoder. This product is sold with optional QAM modulator hardware packages. Configurations and indicators relevant to those add-on packages are noted here. If you purchased this product without a QAM modulator, please ignore settings noted

#### with an asterisks (\*). The most recent firmware releases are available on our support website, www.adtecdigital.com. Advanced users can find direct API command help as part of the on-board web application, Help Tab. Channel 1 & 2 **QAM** Encode A/B/C O Not Active A Encoding B Transitioning O C (not supported) Video 64/128/256 O No Video (Audio Only) Active Video Present Format Not Supported No Video Present /Disabled SD SD Resolution Detected HD ■ 1080i Resolution Detected



Units ship with the front panel logged in by default. If you become logged out and are prompted for a password, use the following key sequence for access. Press <Select> when panel displays

'User Login -- logged out' Press <Up arrow> Press <Select> Press <Enter> Press < Right arrow > Press <Enter>

Power Link O Power is OFF Power is ON

Alarm O No System Alarm

Minor Alarm Major Alarm

System LED Status

O No Link Detected Link Active

**Busy** O No Network Traffic Network Traffic Present

**PIDS** 

**PMT PID** 

**PCR PID** 

**Titxt PID** 

**VITC PID** 

panel by pressing the

MODE, ESCAPE and

RIGHT ARROW keys

simultaneously.

VBI

<< CH1 CH2 >>

Source

Closed Cap.

**VITC Mode** 

**Front Panel Menus:** 

**Profile** 

Select

Save

Delete

**Use Mode Button to move** through top layer menus.

Use arrows for navigation in submenus.

Use select to enter into edit mode and enter to save selection.

### **Ouick View** Video Resolution Frame Rate Video Bit Rate 1920x1080 29i 33.77M 1DD 192K Sampling Rate Audio Input For each encoder, there is a quick view menu. You can scroll

through the two views by pressing the down arrow button

#### **QAM Channel 1** A/B/C EAS 256 HD 128 EAS **Channel 2**







EAS is Active

**EAS** 





720p Resolution Detected

EAS is Active (audio only)

EAS

EAS is Active

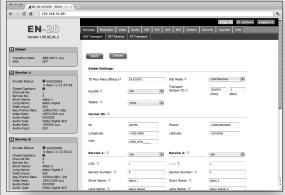
### **Getting Connected**

To begin, you will need to connect to your EN-20 via ethernet directly, or by adding the EN-20 to your local area network. The default address for all Adtec devices is 192.168.10.48.

To connect directly to the device, make sure that your computer and the device have IP addresses within the same IP class range (ex. 192.168.10.48 for the device and 192.168.10.49 for your computer). If you need to change the IP address of the device, this can be done via the front panel, System > Network menu. Using a CAT 5 crossover cable, connect one end to your computer and the other to the Ethernet port found on the processor section of the back panel. (Some computers can auto negotiate the connection and a crossover may not be necessary.)

To add the device to a LAN, connect a standard CAT 5 Ethernet cable to your network router and then to the Ethernet port on the back of the device. If your network is DHCP enabled and you prefer that over a static IP, you can turn on DHCP for the device via the front panel, System > Network menu.

# **Web-Based Control Application**



Adtec Digital has adopted zero-configuration networking technology, streamlining the setup and configuration processes for our products. The use of this technology enables automatic discovery of Adtec devices and services on an IP network. Used in tandem with the web-based control and configuration applications we can now

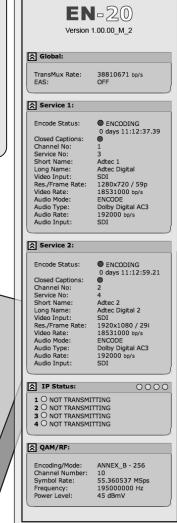
By using the built-in Bonjour<sup>©</sup> locater in Apple's Safari browser or the plug-ins readily available for IE<sup>®</sup> or Firefox<sup>®</sup> browsers, users can locate all of the Adtec devices on a network by referencing the Host Name of the

unit by viewing the setting on the front panel (SYSTEM > NAME). Clicking on the unit in the Bonjour® list will re-route you to a login page. If you do not wish to use Bonjour, you can reach the device's web application by pointing your browser to the IP Address of the device. Ex. http://192.168.10.48/. You will be prompted for a username and password. The default username is 'adtec'. The default password is 'none'.

The left-hand panel of the application will report current status in real-time while the right panel tabs will allow you to configure your device.

provide 1-click access to any device.

device. You can locate the Host Name of the



**Have questions?** Each field or group of fields in our web-based application has a hint button associate with it. It contains information on use of the field or acceptable ranges.

## **Getting Started**

Once your encoder is accessible via network, you can set it up for transmission. You will need to adjust the configurations using the front panel or web UI. As you make changes, you will see the status sections on the left hand side of

the web UI adjust. These status sections report the majority of the critical information needed for monitoring during a transmission. Each of these status menus can be collapsed by clicking on the icon. This allows you to view only that information which is most critical for you, but keeps a LED indicator visible for all sections at all times for alarms.

Global Status: Includes global conditions of the output.

Service 1: These values indicate the service or program data being used in your transmission as well as status of the first encoder.

Service 2: These values indicate the service or program data being used in your transmission as well as status of the secondary encoder.

IP Status: These values indicate the status of IP Egress including address, port and FEC parameters.

#### \*QAM Modulator Status:

Devices containing the optional modulator will display this status window indicating activity and critical output data.

