

### Getting Started

Thank you for your purchase of the Adtec YUV2QAM. This quick start guide should help you with your initial setup. Additional support can be provided through our Customer Support Department.

**Telephone:** 615.256.6619

**Email:** support@adtecinc.com

**Internet:** www.adtecinc.com/supportrequest/

The most recent firmware is available on our support website, [www.adtecinc.com](http://www.adtecinc.com).

### Front Panel LEDs:

#### Channel 1 & 2

##### Encode

- Not Encoding
- Encoding
- Transitioning

##### HD

- 1080i Resolution Detected
- 720p Resolution Detected

##### QAM

##### A/B/C

- A
- B
- C (not supported)

##### Video

- No Video (Audio Only)
- Video Present
- Format Not Supported
- No Video Present /Disabled

##### EAS

- EAS is Active
- EAS is Active (audio only)

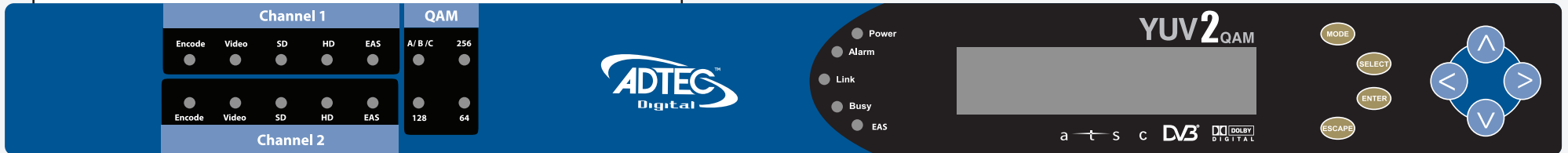
##### 64/128/256

- Active

##### SD

- SD Resolution Detected

Top Menu	System	Modulator	Services	Audio	IP Destinations	Tables
Quick View 1	Login	Encoding	Tx Mux Rate	CH1 CH2	<< 1 - 4 >>	Tables On
Quick View 2	Duration	Mode	Video Autofill	Input	Mode	
Banner	Network	Output Format	CH1 CH2	Mode	IP Address	
	Time	UpCnv Channel	Video Rate	Type	Port	
	NTP	UpCnv Power	Short Name	Rate	RTP	
	Alarm	UpCnv Freq.	Long Name	Level	TOS	
	COM2		Major Number	Sync	TTL	
	Host Name		Minor Number		Mcast Connector	
	Firmware Ver.		Input		FEC Mode	
	Feature Menu		Startup		FEC L	
					FEC D	
					FEC TOSBITS	
					Service Select	



### System LED Status

#### Power

- Power is OFF
- Power is ON

#### Busy

- No Network Traffic
- Network Traffic Present

#### Alarm

- No System Alarm
- Minor Alarm
- Major Alarm

#### EAS

- EAS is Active

#### Link

- No Link Detected
- Link Active

### Front Panel Menus:

- MODE** Use Mode Button to move through top layer menus.
- < > < >** Use arrows for navigation in submenus.
- SELECT** Use select to enter into edit mode and **ENTER** enter to save selection.

The front panel will display a 'Quick View' of your incoming streams on the component ports. This information can be viewed by pressing the down arrow key when the front panel is at it's upmost menu 'System Banner'.

### Quick View

Video Resolution	Frame Rate	Video Bit Rate
1920x1080	29i	33.77M
1DD 192K	2DD 192K	48
Audio Input 1 & 2	Sampling Rate	

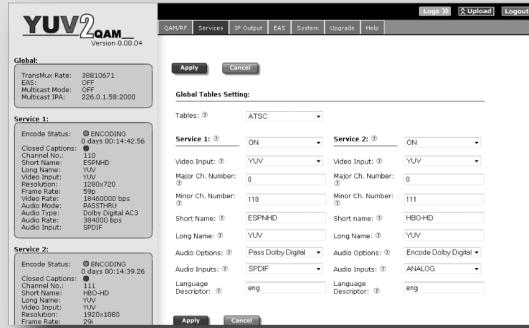
## Getting Connected

To begin, you will need to connect to your YUV2QAM via ethernet directly, or by adding the unit to your local area network.

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. The default address for all Adtec devices is 192.168.10.48. 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.

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.)

## Web-Based Control Application



the device. Ex. <http://192.168.10.48>.

The left panel of the application will report current status in real-time while the right panel tabs will allow you to configure your device. Additional hints regarding configuration options can be found by clicking on the hints (?) buttons associated with each field or group of fields.

**You will be prompted for a username and password.**

**The default username is 'adtec'. The default password is 'none'.**

### Processor

Power	AC Power - Standard 3 pin plug (70-240 VAC 50 - 60 Hz) 5Vdc Power (x2) - External Power Only
GigE	GigE Interface - MPTS Output over RTP/UDP
COM2	API Serial Communication Interface
COM1	Serial Port Used for Troubleshooting
Ethernet	10/100 base T Ethernet interface
USB 2.0	Not Currently Supported

### Video/Audio Input

Component Input 1	RCA female/jacks YPbPr
Composite Input 1	RCA female Video, Audio L + R unbalanced
Component Input 2	RCA female/jacks YPbPr
Composite Input 2	RCA female Video, Audio L + R unbalanced
SPDIF Inputs	RCA female SPDIF Audio Ch. 1 + Ch. 2
EAS In Video	RCA female/jacks
EAS In Audio1 & 2	RCA female/jacks for unbalanced audio

### Output

ASI Out	BNC 75 Ohm, Asynchronous Serial Interface (EN 50083-9)
RF Main	F-style RF female jack, Freq: 50 to 862 Mhz, 45 dBmV to 56 dBmV in 2.0 dB
IF In	F-style RF female/jack, Freq: 44 MHz
IF Out	F-style RF female/jack, Freq: 44 MHz
EAS Control	9-Pin Interface - To enable EAS mode, short pins 5 to 7.

