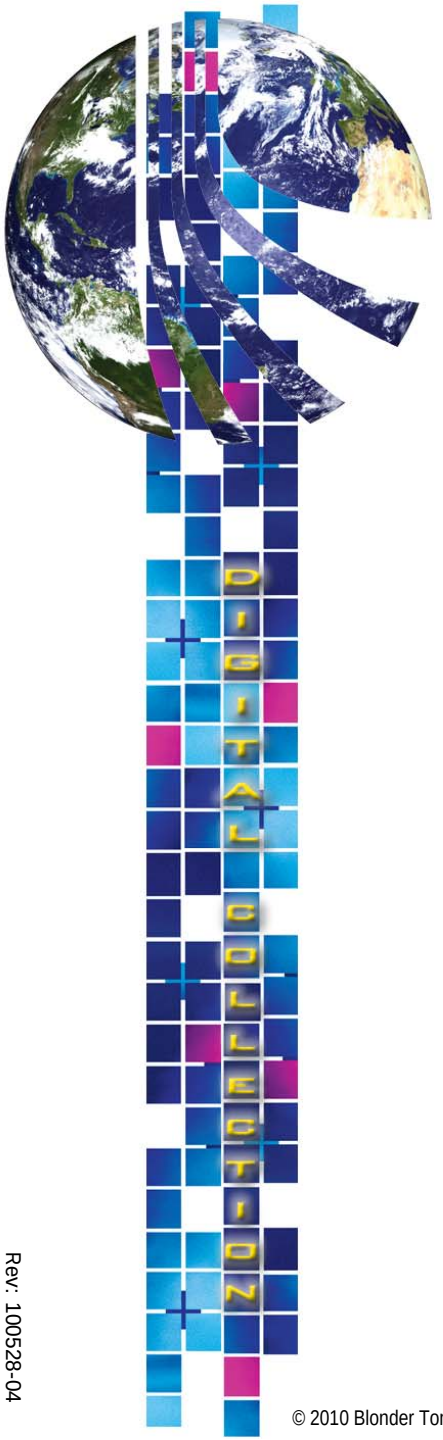

Product Review

Digital Transcoder

Input: ***1x QPSK/8PSK***
Output: ***1x QAM***

MODEL	STOCK
QTM-II	6231A
QTM-HD	6241
QTM-HD PLUS	6242
QTM-HD NPU	6278

BLONDER TONGUE LABORATORIES, INC.
One Jake Brown Road, P.O. Box 1000
Old Bridge, NJ 08857-1000 USA

Rev: 100528-04

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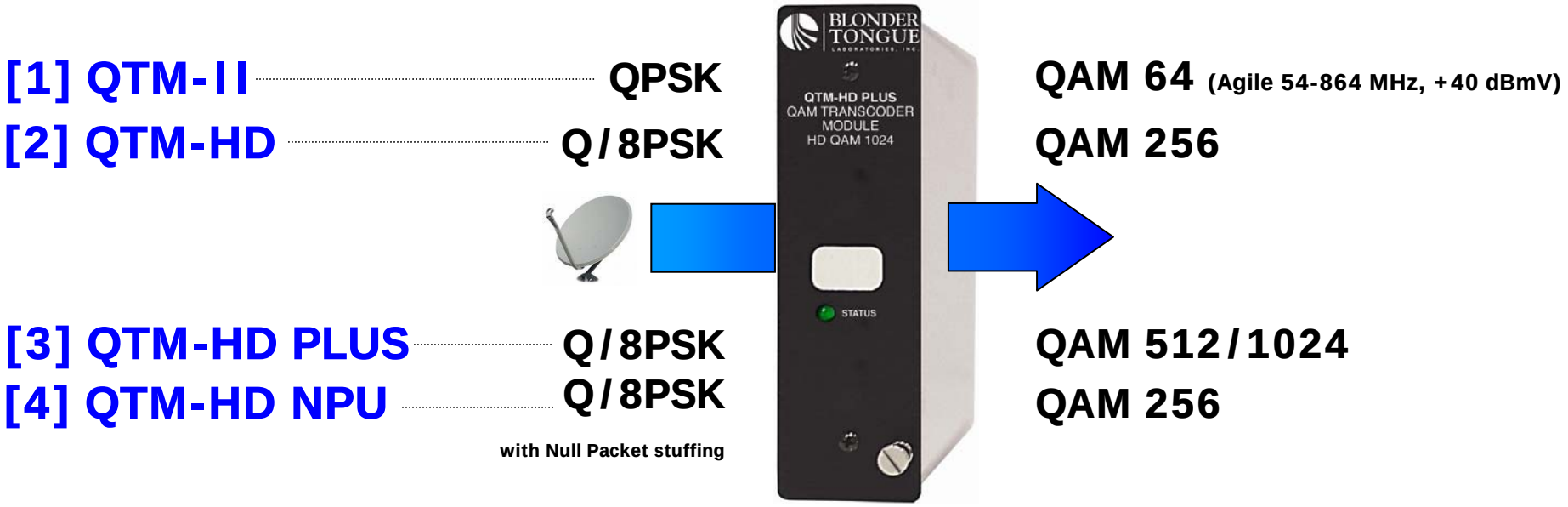
QTM Series

The **QTM** (QAM Transcoder Module) accepts one input in QPSK format, and delivers one output in QAM 64 format.

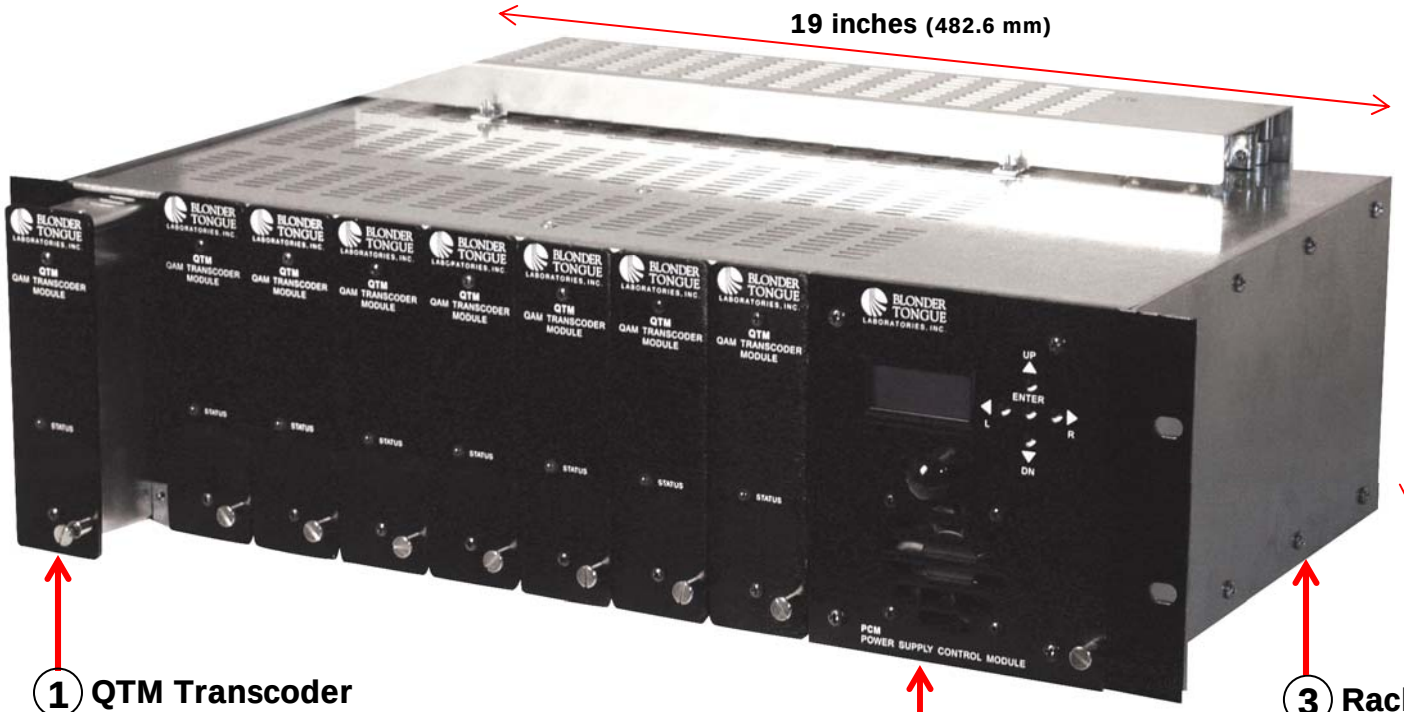
The **QTM-HD** is the same as QTM, but accepts QPSK/8PSK as input, and is capable of QAM 256 output.

The **QTM-HD PLUS** is the same as QTM-HD, but capable of QAM 512/1024 output.

The **QTM-HD-NPU** is the same as QTM-HD, but with a "Null Packet" feature required to process certain QPSK/8PSK inputs.



Front Panel



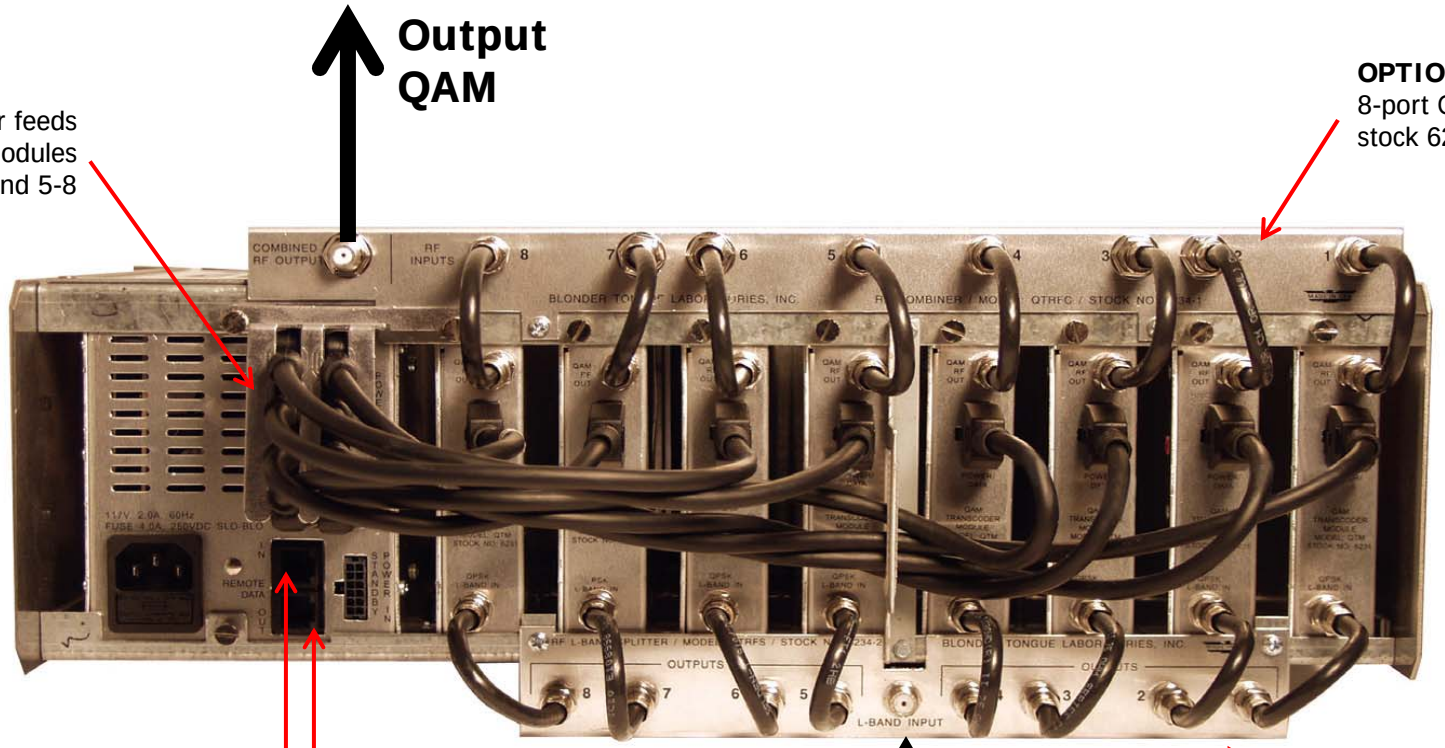
1 QTM Transcoder
(1 of 8)

Model:	Stock:
QTM	6231A
QTM-HD	6241
QTM-HD PLUS	6242
QTM-HD-NPU	6278

2 Power & Control Module
Model: QTPCM PLUS
Stock: 6232B

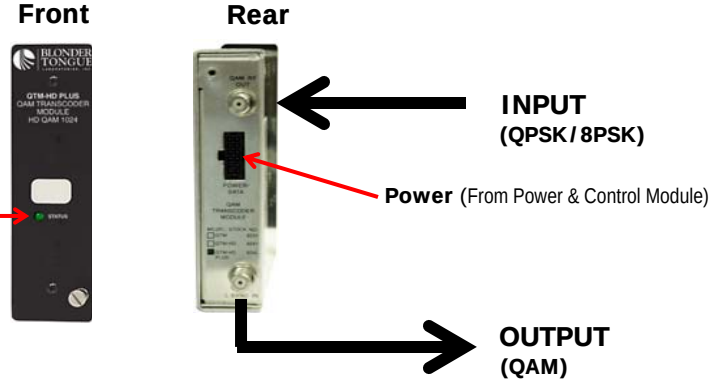
3 Rack Chassis
Model: QTRC
Stock: 6233

Rear Panel


Output
QAM
Power feeds
to Modules
1-4 and 5-8
OPTIONAL
8-port QAM Combiner
stock 6234-1
RJ11 interface to
Headend Web Server
(optional for remote
monitoring and control)
RJ11 interface
to daisy-chain
other chassis
Input
QPSK / 8PSK
OPTIONAL
8-port L-Band Splitter
stock 6234-2

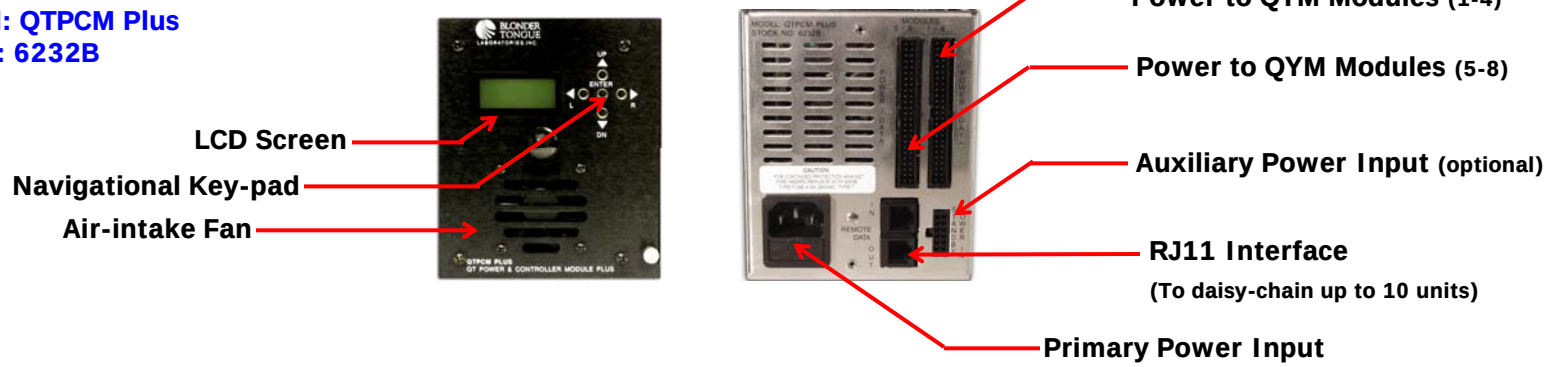
Required Equipment - Detail

1 QTM Module



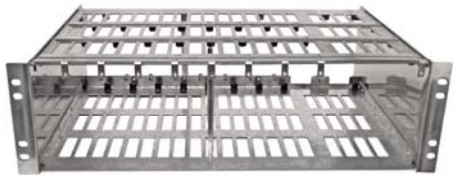
2 Power & Control Module

Model: QTPCM Plus
Stock: 6232B



3 Rack Chassis

Model: QTRC
Stock: 6233



Dimensions (WxHxD): 19x5.25x12 inches (483x133x305 mm)
Houses (1xPower&Control Module) + (8x QTM Modules)

Optional Equipment

4 Headend Web Server
Model: QT-HWS-II
Stock: 2728

Status LEDs
Link, Receive, Transmit

Ethernet interface
Connecting to the Internet

RS232 interface
Connecting to the QTM's Control Module

Config
For factory use and firmware upgrades

Power
From QTM's power supply

Allows operator to remotely monito and control the QTM modules via any standard web browser and easy to follow GUI interface. Up to eleven (11) fully-loaded chassis can be daisy-chained and controlled by one Server.

5 Standby Power Supply
Model: QT-SPS
Stock: 6239A

Switches automatically in about three (3) seconds from detecting a power failure of the primary power supply. Each Stand-by Power Supply can support up to two (2) fully loaded chassis. All QTM modules will re-boot with their last settings and configurations intact.

6 Headend Distribution Amplifier
Model: HDA-860
Stock: 6235

An integrated digital combiner and low-distortion amplifier. Gain, slope, and output power level can be adjusted via front-panel controls. Available in 8-port/20dB gain and 16-port/16dB gain models.

Configurable Parameters

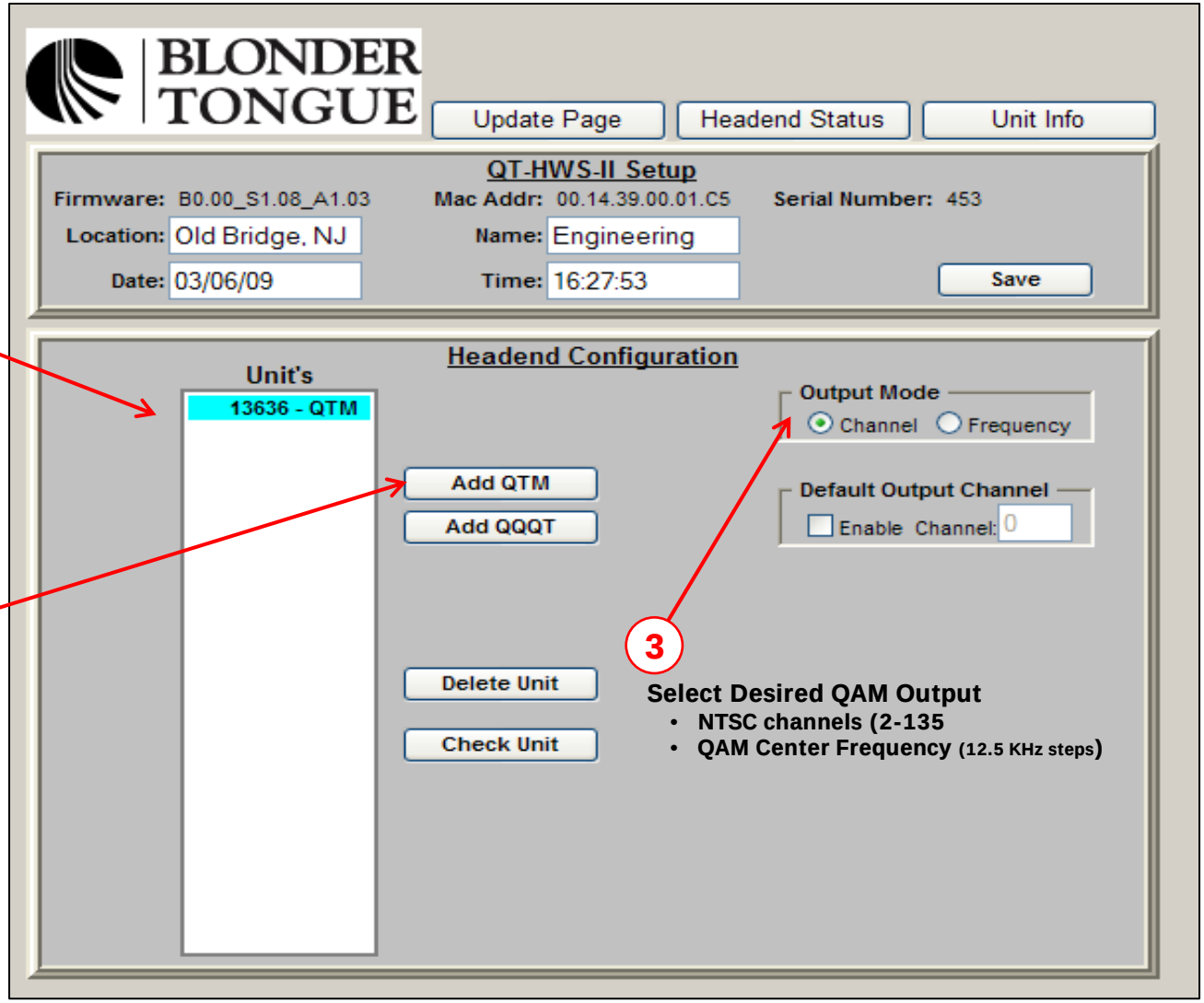
The following parameters can be modified via the front-panel key-pad and LCD screen:

QTM#x MODE	**Auto, Manual**
DECODER	**DVB QPSK, 8PSK, DCII, ADVANCE**
IN RATE	**User-selectable when in the Manual mode**
QAM	**Depending on the model: 16, 32, 64, 128, 256, 512, 1024**
ALPHA	**12%, 15%, 18%**
INTERLEAVER	**Per DVB & DCII standards**
BAUD RATE	**User-selectable when in the Manual mode**
POWER	**Primary, Standby**

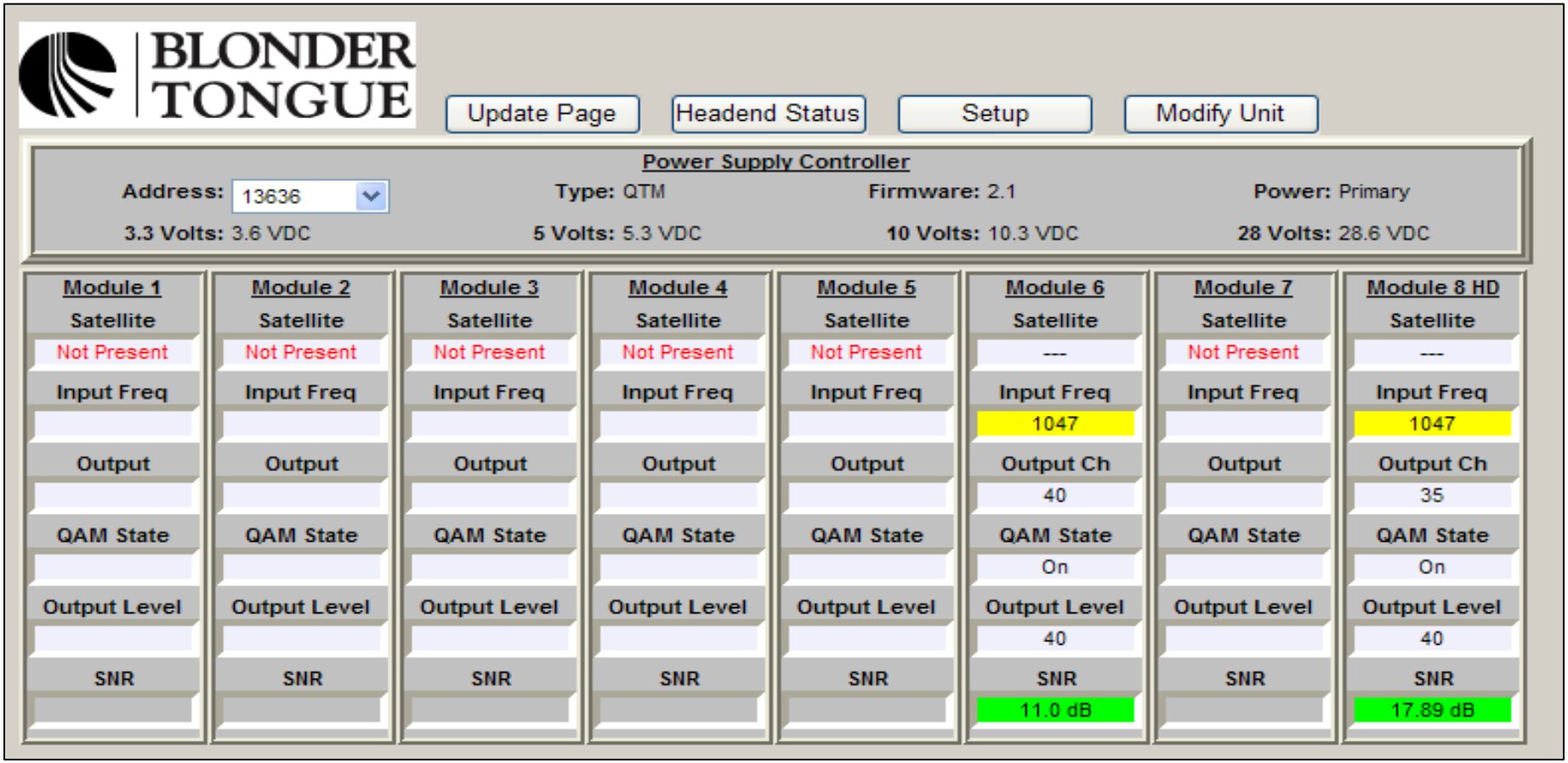
Headend Web Server - Setup Page

Enter the QTM Module's unique address

Add (Register) the Module



Select Desired QAM Output

- **NTSC channels (2-135**
- **QAM Center Frequency (12.5 KHz steps)**

Headend Web Server - Status Screen