AQT8 QAM/IP QUICK GUIDE



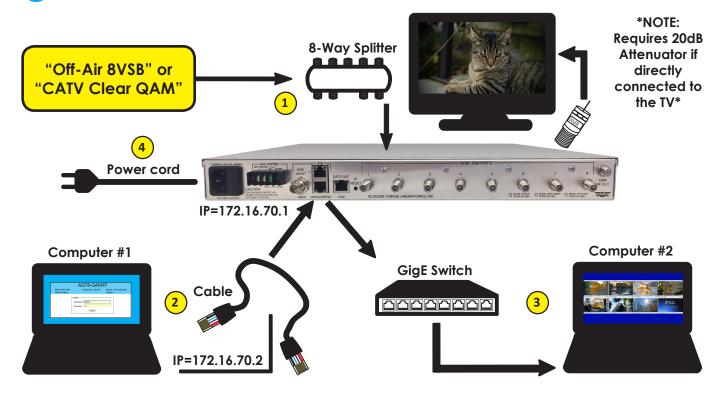
You may view this guide as an Instructional Video:

For IP SET-UP: https://www.youtube.com/watch?v=Pib3MSs3I70
For QAM SET-UP: https://www.youtube.com/watch?v=FXus4cP7VhQ



STEP 1 - Connect Inputs

- Up to 8 terrestrial and/or clear QAM inputs via an 8-Way Splitter are connected to the 8VSB/QAM Inputs.
- Connect computer #1 with a web browser to the 10/100 CONTROL port directly using the supplied cable.
- Connect computer #2 with an installed media player (VLC player or equivalent) to a GigE switch and then connect GigE switch to the Data Out port on the unit.
- 4 Connect the power cord to the AQT8.



STEP 2 - Login

- Assign "172.16.70.2" as the static IP address for computer #1.
- Enter "172.16.70.1" into your Browser to access the AQT8.
- Login with Username: "Admin" and the password is "pass".

NOTE: The default IP address for the AQT8 Series is "172.16.70.1".



STEP 3 - Select Inputs

Go to the "Input Map" page:

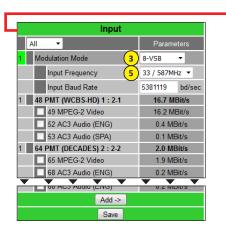
- Select "Edit" at the top of the IP Output Input table.
- Change the input selection pull down to "All".
- 3 Select Modulation Mode for all inputs. Default is "8VSB". For Clear-QAM inputs, select applicable modulation mode. If the RF input is not locked to an input or not used, select "Not Used" in the modulation mode box.
- 4 Click "Save".
- 5 Select desired "channel input/frequency".

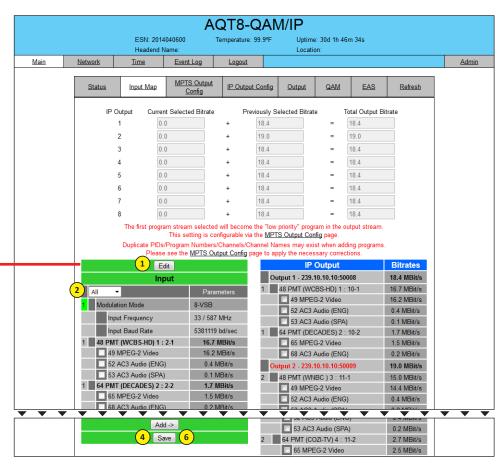
Repeat mode and input settings for all inputs.





The MAXIMUM total number of outputs is 20. See Appendix C in the User Manual for more details.





STEP 4 - Verify Inputs are locked

Verify the front panel LED lights are green for each input.

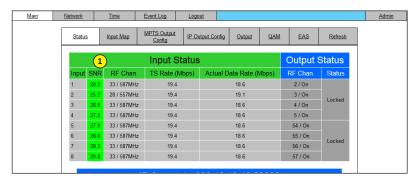


STEP 5 - Check SNR

Go to the "Status" page:

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>22 dB SNR for 8VSB; >33 dB for QAM 256 is recommended. (Increase the RF input level as required to achieve the desired SNR).



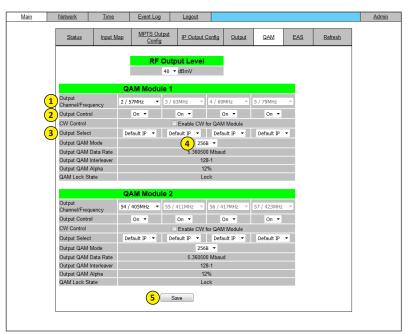
STEP 6 - Configure QAM Output

Go to "QAM" page to setup output channels:

- 1 Select the 1st channel for each set of QAM outputs.
- 2 Ensure all outputs are "enabled" and "CW Control" is <u>not</u> selected/enabled.
- Output Selection allows user to select TS stream for each QAM output.
 Options are as follows:
 - IP Out 1 through IP Out 8
 - Default IP or Default RF: QAM1
 gets TS from IP Out 1 or RF1 (input),
 QAM2 gets TS from IP Out 2 or RF2
 (input), and so on.

(NOTE: When using any of the IP settings, the particular IP output must be "Enabled". See Step #8.)

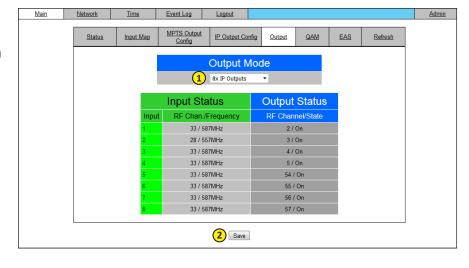
- 4 Select the QAM modulation under "Output QAM Mode".
- Click "Save".



STEP 7 - Configure Output

Go to the "Status" page:

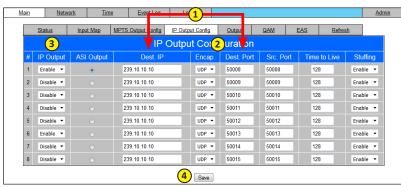
- Select number of IP outputs (from 1 to 8) or disabled.
- 2 Click "Save".



STEP 8 - Configure IP Output

Go to the "IP Output Config" page:

- Configure the "Dest IP" and "Dest port" for each output stream. Coordinate with the IT System Administrator for required IP addresses.
- Select the encapsulation, "RTP" or "UDP", based on the receiving unit's capabilities.
- "Enable" the IP Output. (NOTE: Must be enabled when QAM output control in Step 6 is set for IP)
- 4 Click "Save".

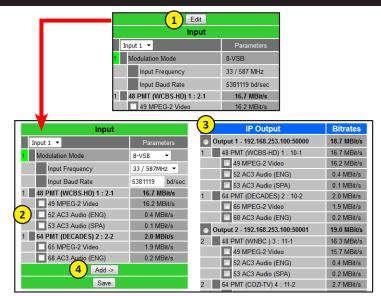


STEP 9 - Select Output

Go back to the "Input Map" page:

- Select the "Edit" button at the top of the Input table.
- Put check marks next to desired programming by clicking the appropriate box(s).
- 3 Select the Output.
- 4 Click "Add".

Repeat for each output program. The unit supports 1 video and 3 audios for each program. Video starts streaming once added to the IP Output table.



STEP 10 - Perform channel scan on TV

Perform channel scan on TV. (CATV Digital - standard).

Confirm channel output on TV. Note that the TV will display the virtual channel numbers as set by the content provider and not those set in step 6.

STEP 11 - Confirm Streaming Programs

Open the media player (VLC or equiv. media player on computer #2). Enter IP addresses as assigned in Step 8 and confirm programs are being streamed.

For more information and the full manual, please visit the website's product page at: www.blondertongue.com

