STEP 7 - Configure IP Output

The IP output programs are exactly the same as input programs. No input selection is allowed in this model. Go to the IP Output Config page:



Configure the IP address/port for each output stream. Coordinate with the IT System Administrator for required IP addresses.

Select the encapsulation RTP/UDP based on the receiving unit's capabilities.

Enable the IP Output.

Click Save.

AQT8-QAM ESN: 2014010197 Temperature: 102.6°F Uptime: 14d 5h 27m 51s Headend Name: BT/Denis Rack Location: Engineering Bench Main Network Time Event Log Logout										
	Status	Input Map	IP Output Config	<u>Output</u>	<u>QAM</u>	EAS	Refresh			-
	(3)		IP	Output C	Configui	ation				
#	IP Output	ASI Output	1 Dest. IP		ap. Des	st. Port	Src. Port	Time to Live	Stuffing	
1	Enable ‡	۲	239.10.10.10	UDP	÷ 500	00	50000	128	Enable ‡	
2	Enable ‡	0	239.10.10.11	UDP	\$ 500	01	50001	128	Enable \$	
3	Enable ‡	0	239.10.10.12	UDP	\$ 500	02	50002	128	Enable ‡	
4	Enable ‡	0	239.10.10.13	UDP	\$ 500	03	50003	128	Enable ‡	
4 save										

STEP 8 - Perform channel scan on TV

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

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

STEP 9 - Confirm Streaming Programs

Open the media player (VLC or equiv.). Enter IP addresses as as assigned in Step 7 and confirm programs are being streamed.

EAS Refresh **RELEASE NOTE:** Status Input Map IP Output Config Output OAM AQT8-QAM product stock #6288 Input Statu Output Status Software version 1.0.3 CPU version 1.2 2 / On 8 / 183MHz 19.4 16.1 MUX version 1.3 18.7 3 / On 6 / 85MHz 19.4 17.2 4 / On Please be aware of an uncommon, but known, software issue for the 14.8 5 / On 33 / 587MHz 194 version number indicated above. 57 / 731MH 7 / On The software issue is this: on the **Status** screen 0.0 0.0 8 / On 49 / 683MH The Input Status, TS Rate(Mbps) and Actual Data Rate (Mbps) may 41 / 635MHz display 0.0 and 0.0 for each. 65 / 779MHz 19.4 16.6 10 / On (See image on the right.) As a result, the corresponding information for IP Output 6 - 192.168.253.5:50005 IP Output 6 - 192.168.253.5:50005 will read No PMTs Found. Virtual Prog. # Short Input Input rog.# (See second image at the right.)-This issue is a false positive display error on the status page only, and C No PMTs Found

does NOT have any impact on the operation of the inputs or outputs of the AQT8-QAM.

Despite the display error, all the actual inputs and outputs are working properly on the AQT8-QAM. If you encounter this display error, please contact Blonder Tongue tech support.





supplied cross-over cable.

Inputs.

Connect the power cord to the AQT8.



STEP 2 - Login

#651236000A Stock #6288 AQT8-QAM ESN: 201401019 Uptime: 14d 4h 50m 39s • 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. rname: Admin • Logon with Username: Admin and the password is "pass". Submit NOTE: 172.16.70.1 is the default IP adress for AQT8 Series. To download instruction manual visit www.blondertongue.com | 800-523-6049

To download instruction manual visit www.blondertongue.com | 800-523-6049



AQT8 QAM QUICK GUIDE

Up to 8 terrestrial or clear QAM inputs via an 8-Way Splitter are connected to the 8VSB/QAM

Connect computer #1 with a web browser to the 10/100 CONTROL port directly using the

If IP steaming is desired, then connect computer #2 with an installed media player (VLC player or equivalent) through a GigE switch and then to the Data Out port on the unit.

STEP 3 - Select Inputs

Go to the Input Map page:

- 1 Select Edit at the top of the IP Output – Input table.
 - Change the input selection pull down to ALL.
 - Select Modulation mode. Default is 8VSB. For clear-QAM inputs select "Auto QAM".

Select desired channel input frequency.

Repeat mode and input settings for all inputs.

Press Save.

Enable EAS

Input Frequency

Input Baud Rate

48 PMT (WABC-HD) 1

49 MPEG-2 Video

52 AC3 Audio (ENG)

53 AC3 Audio (SPA)

64 PMT (LivWell) 2

65 MPEG-2 Video

68 AC3 Audio (ENG)

80 PMT (LIVWELL) 3

81 MPEG-2 Video

Input Frequency

Input Baud Rate

48 PMT (WCBS-HD) 1

49 MPEG-2 Video

52 AC3 Audio (ENG)

53 AC3 Audio (SPA)

84 AC3 Audio (ENG)

lation Mode

2

3

4

5

6



STEP 4 - Verify Inputs are locked



STEP 5 - Check SNR

Go to the Status page:

1

as required to achieve the desired SNR).

			ESN: 201401019 Headend Name:	AQT8 97 Tempera BT/Denis Rack	3-QA ature: 102.8	8°F Uptime: Location	: 14d 2ł n: Engii	n 53m 25s neering Benc	h
Main	<u>Network</u> <u>Status</u>	<u> </u>	<u>Input Map</u>	<u>vent Log Logout</u>	Output	QAM	E	AS	<u>Refresh</u>
1		1		Input Status				Output Status	
	Input	SNR	RF Chan.	TS Rate (Mbps)	Actual	Data Rate (Mb	ps)	RF Char	n. Status
	1	27.2	33 / 587MHz	19.4		18.5		50 / On	
	2	22.1	28 / 557MHz	19.4		17.2		51 / On	Locked
	3	21.3	44 / 653MHz	19.4		16.1		52 / On	LUCKEU
	4	24.0	7 / 177MHz	19.4		18.7		53 / On	
	5	16.1	11 / 201MHz	19.4		18.1		54 / On	
	6	16.9	13 / 213MHz	19.4		18.4		55 / On	Lookod
	7	23.7	24 / 533MHz	19.4		17.5		56 / On	LOCKED
	8	25.3	31 / 575MHz	19.4		17.6		57 / On	

STEP 6 - Configure QAM Output

Go to QAM page to setup output channels: Select the 1st channel for each set of QAM outputs. Ensure all outputs are enabled and CW mode is not selected. Press Save.

				AQ
		ESN: 201 Headend	4010197 Name: BT/D	Tem enis Rack
Main	Network	Time	Event L	og Logo
	Status	Input M	<u>Map</u> <u>I</u>	P Output Config
				RF Outpu
	Output		-	
	Channel/Fr	equency	50 / 381MH	iz ÷
	Output Con	trol (1)	On 🗧	
	CW Control			
	Output QA!	M Mode		(2)
	Output QAI	VI Data Rate		
	Output QA	M Interleaver		
	Output QAI	VI Alpha		
	QAM Lock	State		
				OAM Mc
	Output		(
	Channel/Fr	equency	54 / 405MH	iz ‡ 55 / 4
	Output Con	trol	On 🗧	
	CW Control	l i i i i i i i i i i i i i i i i i i i		
	Output QA	M Mode		
	Output QAI	M Data Rate		
	Output QA	V Interleaver		
	Output QAI	VI Alpha		\bigcirc
	QAM Lock	State		3
				Save
	_	_	_	_



22 dB SNR for 8VSB; >33 dB for QAM 256 (Increase the RF input level



8-QAM						
erature: 102.6°F l	Jptime: 14d 4h 20n .ocation: Engineeri	n 12s ng Bench				
<u>it</u>						
Output	QAM	<u>Refresh</u>				
t l evel						
BmV						
7MHz = 52 / 393MF	12 = 53 / 3990	AHZ =				
nable CW for QAM Mod	ule	•				
256B ‡						
5.360500 Mbaud						
128-1						
Lock						
dule 2						
1MHz 🗘 56 / 417MH	lz 🗘 57 / 423M	/Hz ¢				
n ÷ On ÷	On	\$				
nable CW for QAM Mod	ule					
256B \$						
128-1						
12%						
LOCK						