



BrightSign®

TECHNICAL NOTES

Configuring the XD1230 for ZeeVee

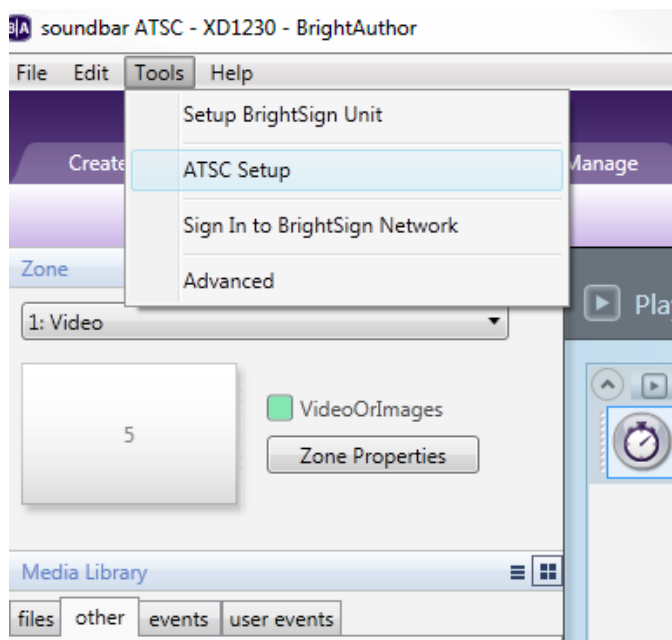
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INTRODUCTION

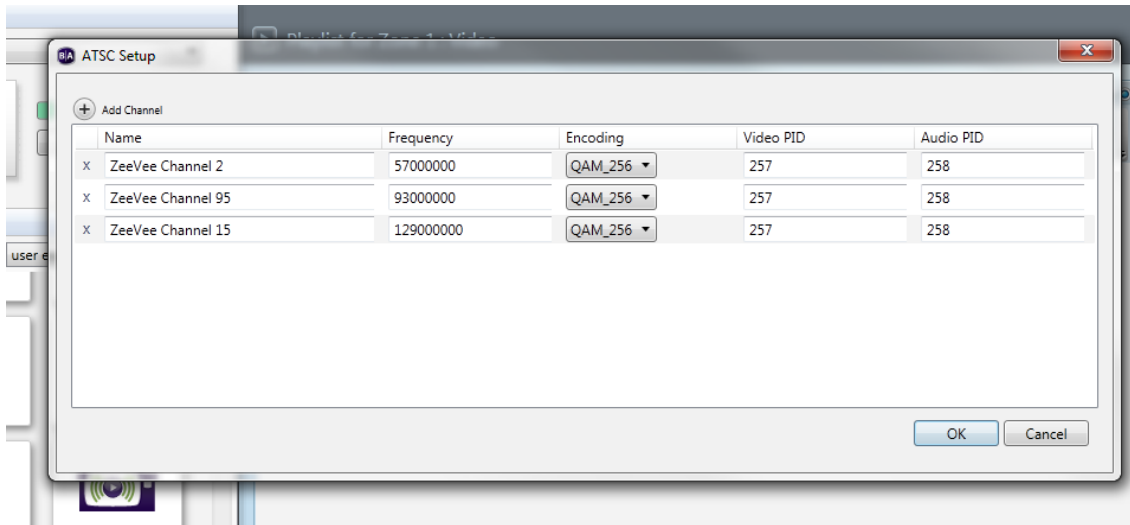
This BrightSign Tech Note explains how to configure your XD1230 to receive input from a ZeeVee RF modulator box (model ZVBox170). When following these steps, make sure you are using BrightAuthor version 3.5.0.22 or later.

Instructions

1. Set up the RF modulator box using the instructions provided by ZeeVee.
2. Attach the coax cable to the RF In connector on the XD1230.
3. Open BrightAuthor and create a new XD1230 project (or open an existing one).
4. Navigate to **Tools > ATSC Setup**.



5. Click the **Add Channel** button for each channel you would like to use.
6. Enter the following information for each channel:



- a. **Name:** Enter a desired name for the channel.
 - b. **Frequency:** See the table on the following page for frequencies that correspond to each channel. The channel number is the current channel to which your ZeeVee box is set.
- Note:** *The numbers in the following table are provided in megahertz (MHz), but BrightAuthor requires you to input the value in hertz(Hz). For example, a channel with a 57.00MHz frequency must be entered into the field as “57000000”.*
- c. **Encoding:** Select QAM_256 from the dropdown list.
 - d. **Video PID:** Enter the value 257
 - e. **Audio PID:** Enter the value 258
7. Click **OK** when you are finished entering channels. You now will be able to select the channels from the dropdown list when creating or editing RF In states in BrightAuthor.

ZeeVee Channel Frequency Table (MHz)

Lowband		Midband		Midband		Highband	
2	57.00	95	93.00	14	123.00	7	177.00
3	63.00	96	99.00	15	129.00	8	183.00
4	69.00	97	105.00	16	135.00	9	189.00
1	75.00	98	111.00	17	141.00	10	195.00
5	79.00 or 81.00 (A-7)	99	117.00	18	147.00	11	201.00
6	85.00 or 87.00 (A-6)			19	153.00	12	207.00
				20	159.00	13	213.00
				21	165.00		
				22	171.00		

Superband		Hyperband		Ultraband	
23	219.00	37	303.00	65	471.00
24	225.00	38	309.00	66	477.00
25	231.00	39	315.00	67	483.00
26	237.00	40	321.00	68	489.00
27	243.00	41	327.00	69	495.00
28	249.00	42	333.00	70	501.00
29	255.00	43	339.00	71	507.00
30	261.00	44	345.00	72	513.00
31	267.00	45	351.00	73	519.00
32	273.00	46	357.00	74	525.00
33	279.00	47	363.00	75	531.00
34	285.00	48	369.00	76	537.00
35	291.00	49	375.00	77	543.00
36	297.00	50	381.00	78	549.00
		51	387.00	79	555.00
		52	393.00	80	561.00
		53	399.00	81	567.00
		54	405.00	82	573.00
		55	411.00	83	579.00
		56	417.00	84	585.00
		57	423.00	85	591.00
		58	429.00	86	597.00
		59	435.00	87	603.00
		60	441.00	88	609.00
		61	447.00	89	615.00
		62	453.00	90	621.00
		63	459.00	91	627.00
		64	465.00	92	633.00
				93	639.00
				94	645.00