

Real-time scoring, audio, and video for Contests

Installation instructions

(on the basis of instructions for SAC by Kim,OH6KZP)

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What do you need to do?

- Register free at <http://cqcontest.net> with your contest callsign
 - Set up your logging program for submitting online scores
 - Register free at one video streaming service, choose TV server from the list:
 - justin.tv <http://www.justin.tv>
 - ustream.tv <http://www.ustream.tv>
 - livestream.com <http://www.livestream.com>
- (please use your callsign as the account name if It's possible)*
- Configure an audio + video stream using the web-based interface at the video streaming service

Cqcontest.net: Online scoring (1/2)

Register with the callsign that you will use in the contest (1)

Remember to fill in your user account the name of server "TV Server" (2)

and the name of channel or channel ID number "TV Login (ID)" (3)

the name of channel is uses for:

- justin.tv or
- livestream.com

while the channel number for:

- ustream.tv

Cqcontest.net: Online scoring (2/2)

- At the top of any page at <http://cqcontest.net>, press "Help" and choose the logging program you are using

- On the new page you will find detailed instructions (including screenshots) that show how to set up your logging program for real-time scoring:

- **N1MM, TR4W and others:**
Built-in real-time scoring
- **Win-Test:** Download a small piece of software

- Report total score and **either** full band-by-band numbers **or** only total QSOs + mults

Welcome to on-line Contest Server
v 5.13 supported by: to get the list, move mouse over [here](#)

Statistics Arch & Test Options **Help**

Client Settings Overview

Ct-Band: all values Ct-Power: all values

Participants: 58 Hourly report: OFF New users: [New](#)

Call	Score	Date
	143	2013-11-20 1
	6	2013-11-21 0
	6	2013-11-16 0
		2013-11-20 2
		2013-11-16 1
		2013-11-20 2
		2013-11-19 1
	7736326	2013-11-07 1
	27904	2013-11-19 1
	15895	2013-11-18 1
	5762	2013-11-21 0
	132	2013-11-19 2
	63	2013-11-20 2
	6	2013-11-21 0
		2013-11-09 0
		2013-11-16 1
		2013-11-13 17:10:49

- TR4W
- N1MM
- Win-Test
- MixW
- 5MContest
- AATest
- QARTest
- Writelog
- UcxLog
- SkookumLogger
- DXLog.net

Developer's corner

Audio and Video

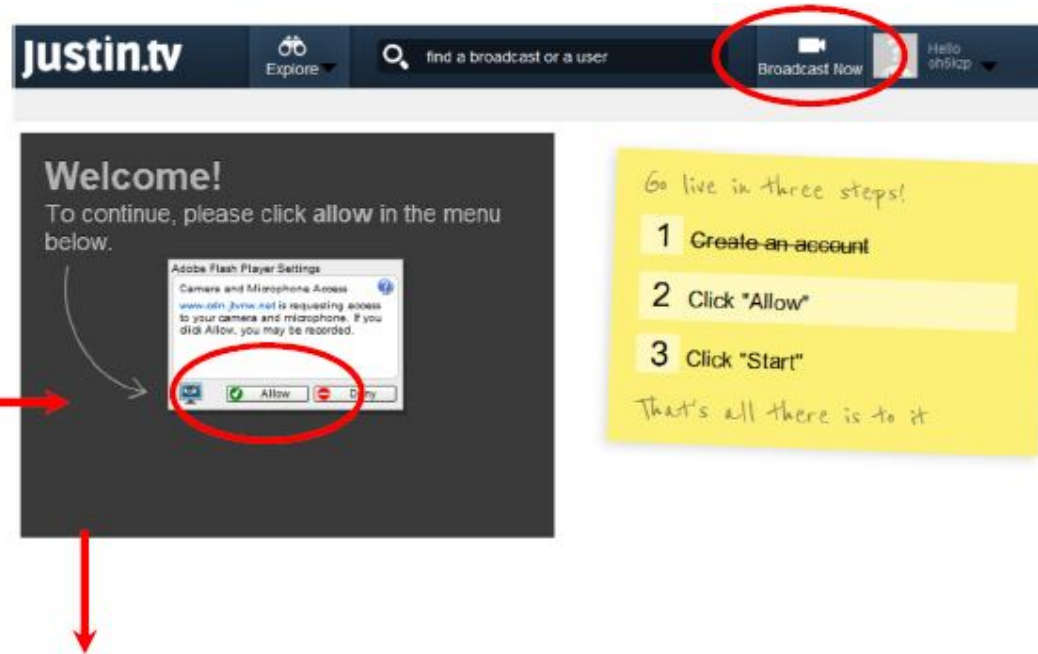
- Many radios have an audio/line out connector in their rear panel. Connect the signal to your soundcard's "Line In"
 - The soundcard's normal microphone input may not be ok, because the driving signal level can be too high
 - If you have a Microham MK2R+ or something similar, you can get the audio through the "USB Audio Codec" that it creates on the computer
- Any webcam with a USB cable will do
 - Try to find an interesting camera angle that shows some of the equipment and you using it
 - **DON'T show the VFO frequency!**
- *The next pages give detailed info on how to stream your audio and video through <http://www.justin.tv> so that it is viewable at <http://cqcontest.net>, where also your score is*

Basic streaming (1/2)

1. Log in at <http://www.justin.tv> with your user account

2. Click "Broadcast Now" in the upper right corner

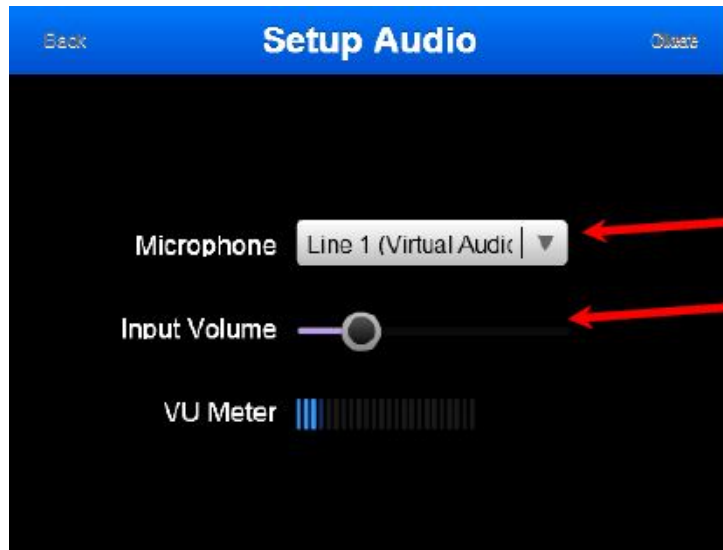
3. Click "Allow" to open your webcam connection



Click here to start your stream after editing the settings

Click here to edit audio/video settings (next page) before pressing "Start"

Basic streaming (2/2)



Drop-down menu for choosing audio source

Set input audio level

Drop-down menu for choosing video source

Set video quality level



Advanced streaming (1/2)

- Enables stereo audio for SO2R operators and gives greater streaming flexibility (bitrate, etc.)
- Uses Adobe Flash Media Encoder software instead of the web-based broadcast interface
 - Log in at <http://www.justin.tv>
 - Download from http://www.justin.tv/broadcast/adv_other and install
 - Also press the "Config File" button on that page and save the xml file to a determined directory on your hard disk
 - Rename the xml file to <your_justintv_username>.xml
 - Start the Adobe Flash Media Encoder program
 - Choose File -> Open Profile, and load the renamed xml file
(Don't worry about the "Log File" and "Profile Validation" pop-up windows)
 - Edit the audio and video settings. **The next page can be used as a guide.** It is configured for stereo audio and a low bitrate H.264-encoded video.
 - Start streaming by pressing "Start". You can move between the "Encoding Options" and "Encoding Log" tabs while streaming.

Advanced streaming (2/2)

The screenshot shows the Adobe Flash Media Live Encoder 3.2 interface. The top section features two preview windows: 'Input' showing a live video feed of a window and 'Output' which is currently black. Below the previews are the 'Encoding Options' and 'Panel Options' sections. The 'Encoding Options' section includes settings for Video (Device: Logitech HD Webcam C270, Format: H.264, Frame Rate: 1.00 fps, Input Size: 320x240, Bit Rate: 50 Kbps) and Audio (Device: Line 1 (Virtual Audio Cable), Format: Mp3, Channels: Stereo, Sample Rate: 22050 Hz, Bit Rate: 48 Kbps). The 'Panel Options' section includes 'Stream to Flash Media Server' (FMS URL: rtmp://live.justin.tv/app, Stream: STREAM ENTRY CODE HERE) and 'Save to File' (sample.flv). A 'Start' button is located at the bottom center. Red circles highlight the 'Video' and 'Audio' checkboxes, the '50 Kbps' bit rate, the 'STREAM ENTRY CODE HERE' field, and the 'Start' button. A text box with an arrow points to the 'STREAM ENTRY CODE HERE' field, and another text box points to the 'Start' button.

Input 100% Output 100%

This should be filled in when you've loaded the xml file

Encoding Options Encoding Log

Preset: Custom

Video Device: Logitech HD Webcam C270 Format: H.264 Frame Rate: 1.00 fps Input Size: 320x240 Bit Rate: 50 Kbps Output Size: 320 x 240

Audio Device: Line 1 (Virtual Audio Cable) Format: Mp3 Channels: Stereo Sample Rate: 22050 Hz Bit Rate: 48 Kbps Volume: -

Total Video 1 + Audio Bit Rate: 98 kbps
Total bandwidth required to stream: 98 kbps

Panel Options: Output

Stream to Flash Media Server FMS URL: rtmp://live.justin.tv/app Backup URL: Stream: STREAM ENTRY CODE HERE Connect

Auto Adjust Drop Frames Degraded Quality

Save to File sample.flv Browse...

Limit By Size 10 MB Limit By Duration 1 hrs 0 min

When the settings are ok, start the stream here

Start Stop DVR Auto Record Record

The End Result

Live Contest Score Server

cqcontest.net/groups/hoster.php

Welcome to on-line Contest Server
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SF1:147 A:4 K:0 @ 0905 Thu, 21 Nov 2013 11:32:56 GMT
22 23 Thu, 21 Nov 2013 11:30:21 GMT
Refereeing search... RU

Logout Registration News Mobile


Web-posting View **Groups + TV** Teams Maps Statistics Arch & Test Options Help

User Hoster / Rest of World User by WAC continents User by WAZ zones User by ITU zones User by DXCC entity

Contest: 1104 CQ-WW-CW Ct-Oper: ~all values~ Ct-Trx: ~all values~ Ct-Band: ~all values~ Ct-Power: ~all values~ Ct-Mode: ~all values~ Refresh 3 min

Areas: Order: Hoster -> World TV

CATEGORY	Oper	Trx	Band	Pwr	Mode	Rank	Call	Score	QSO										Elapsed	TV1	TV2
									Total	160	80	40	20	15	10	Total	Stat	Cty			
WORLD																					
MULTI-OP	ONE	ALL	HIGH	CW		1	HB9CXZ	143	9	2		1	6	11		6	5	16:30			
						2	SJ2W	6	1					2		1	1	7:58			
						3	RW4I	6	1					2		1	1	124:15			
SINGLE-OP	ONE	ALL	HIGH	CW		1	E73M	7736326	4733	218	511	1353	906	833	912	782	613	169	331:51		
						2	UW5M	27904	100	20	13	16	19	20	12	109	109		48:53		
						3	R9IR	15895	70	16		25	22	7	85	53	32	64:45			
						4	RY3D	5762	49	19	6	1	23		67	44	23	2:46			
						5	IK0YUT	132	6						11	6	5	38:26			
						6	NP4A	63	4					4	7	4	3	11:44			
						7	RC9O	6	1	1					2	1	1	3:24	link	link	
SINGLE-OP	ONE	ALL	LOW	CW		1	KP2B	2480	29					31	20	11	11:46				
						2	UA6XDX	308	14			14		14	14			4:01			
						3	BD4LJ	36	3					6	3	3	585:20				
						4	WD4AHZ	20	2			2		4	2	2	35:26	link	link		
						5	EF8X	6	1					2	1	1	12:46				
						6	LA2HFA	6	1		1			2	1	1	53:34				
						7	UT0EX	6	1			1		2	2		47:15				
SINGLE-OP	ONE	15M	HIGH	CW		1	UA6AA	6	1			1		2	1	1	40:39	link	link		
						2	VE5MX	6	1			1		2	1	1	80:57				



TV 2: no channel selected

Getting it Running

- Please test your setup well in advance of the contest!
- Check that your score gets uploaded:
<http://cqcontest.net/arch/testscore.php>
- Check that your audio/video stream works:
<http://www.justin.tv/<yourusername>>
<http://www.ustream.tv/channel/<yourchannelid>>
<http://www.livestream.com/<yourusername>>

Remember to provide both TV server name and your user name for justin.tv / livestream.com (or channel ID for ustream.tv) when registering at cqcontest.net with your contest callsign!

Good luck, and enjoy the contest!