## **JUST: IN MULTI GETTING STARTED**

**1** Install your video card driver of choice. For Blackmagic: Use the latest driver from the Blackmagic website. For AJA: Use the latest <sup>(1)</sup> NDD driver corresponding to the AJA card you are going to use and download it from the AJA website. For Matrox: Use the latest Matrox Multi-Ingest or Multi-I/O drivers from the Matrox website.



**2** Installation. Double click on the Just In Multi 1.6 installer and click Continue.

- Please note: In case of a previous activation of any version prior to v1.5 or v1.6 you will need to enter a new activation code. Please contact ToolsOnAir to receive your updated activation code. If you used a non activated demo of Just In Multi please disregard step 3 and proceed directly to step 4.
- In the custom install window make sure that all options are selected as shown in the screenshot and click Continue, and followed by Install on the next screen. In order to complete the installation click on Close on the last screen.

**3** Configuration. Open the System Preferences and select the Just In QT preference pane under Other. Before you can continue please authenticate yourself by clicking on the lock icon and entering the administrative credentials. In the Just In QT preference pane you will see five tabs:

Under Engine select the desired framerate (23.976, 24, 25, 29.97, 30, 50, 59.94 or 60). For all other options, please consult the manual.

	Engine Channels Presets Names	
Engine framerate:		25 ‡

Under Channels select the available channels that you would like to use by clicking on the appropriate checkbox and select the appropriate settings for the channel. The available video mode settings for the selected framerate will be displayed automatically. The last settings of this tab are relevant to the network discovery.

	Settings	
Channel 1	Name: Ch	nannel 1
Channel 2	Device:	
-	Video Mode: 1	080i25 10 Bit \$
	Audio Bitrate: 2	4 \$
	VTR Control:	0
	VTR Preroll in Seconds: 5	\$
	Chunk Length:	01:00:00:00
	Start Timecode: 🗌	
	Cache Options: D	ion't Cache 🗘
	Video Output Buffer:	25
	Output Buffer Segments:	4
	10	0 buffer frames
	Engine Port:	0
		Publish Bonjour service
Local Mode	tarts up a hidden engine and automatically co	noerts to it. No network function

 The option Publish Bonjour service is checked by default. In case that Bonjour cannot be routed in your network, check Local Mode to run a network agnostic version. Please consult the manual for further information on how to run just:in by using ports and dedicated IP Addresses per channel. 4 Under **Presets** create a new capture preset (PAL, NTSC or HD) and a destination preset.

• A capture preset consists of the following options:

**Timecode Source**, **TV Norm**, **Container**, **Aspect Ratio**, **Codec** and **Audio Channels** (Mono or Stereo). Once you have defined your preset of choice click **Save** and enter a descriptive name for it. Make sure that you save this preset into **/Library/Application Support/ToolsOnAir/JustIn**.

## • A destination preset consists of the following options:

Path, Proxy Path, Path fallback, Proxy Path fallback. Once you have defined your destinations of choice click Save and enter a descriptive name for it. Make sure that you save this preset into /Library/ Application Support/ToolsOnAir/JustIn.

Destination Presets		Engine Channels Presets Names
Preset:	Sample Destination \$	Capture Presets
Path:	/Volumes/RAID1/HiRes	Preset ProResHQ_1080i25_8CH ‡
Proxy Path:	/Volumes/RAID1/Proxy	Timecode Source: Computer Time \$
Reference Movie Path:		TV Norm: HD \$
Reference movie ratii.	/Volumes/KAID1/Ket	Container: QuickTime ‡
		Aspect Ratio: 16:9 ‡
Path fallback:	/Volumes/RAID2/HiRes	Codec: Apple ProRes 422 (HQ) 🗘
Proxy Path fallback:	/Volumes/RAID2/Proxy	Audio Channels: 8 +
	Save	Save Duplicate

<sup>5</sup> Under **Names** you can define the naming conventions of your clips. You can add your own variables by entering "%" followed by the wanted naming expression. The clips will be named accordingly.

To Activate just:in multi you need to start the **Tools On Air** preference pane, select the just:in **Activation tab** and enter an activation key either for demo (without watermarks) or permanent use in the **Activation code** field. Please contact ToolsOnAir to get an activation code. Note that **Just In Multi** will also work in full-featured mode without an activation key. You will then see a logo watermark every four seconds. Information about activated vs. trial mode is displayed in both **Just In Engine Quicktime** and **Just In Multi**.

0 I	his system, ac	tivate them with an a		hould always be kept alive ed by Tools On Air and cre s with the software.
	Stay Alive	just:in Activation	just:out Activation	System Profile
	License		Request	
	Machin	e ID		
	Serial N	lumber		
	Etherne	et ID		
	Activati	ion Code		
	Status			els activated

Using just:in: Navigate to /Applications/Just In and double-click on Just In Engine Quicktime. The engine application will start up and show information about each channel.

			Memory 224.41 MiB   2% used
	Dropframes	Frames in Buffer	Output Buffer
Output Buffer			

8 Start **Just In Multi** (same location as the engine) and select the **channel** you wish to control and record on. Activate **Release channels on quitting** if you want that **Just In Multi** releases the selected channels upon quitting the GUI. Press **Connect** to open the user interface. If you selected **Local Mode**, you only need to start **Just In Multi**.

Jse	Channel name	Port	Status
			Available
	Double click to add a channel		
	Release channels on quitting	Quit	Connect

9 You are now ready to proceed with your **first recording**. Select the appropriate **capture** and **destination presets**, then press the **Record** button. You will now be recording in **Crash mode**.

▼ Paths		▼ Capture	
Destination Preset	Sample Destination \$	Preset	ProResHQ_1080i25_8CH \$
Destination Preset	bampre_bestmation +	Timecode Source	Computer Time
High Res Path	/Volumes/RAID1/HiRes	TV Norm	
Proxy Path	/Volumes/RAID1/Proxy	Container	QuickTime
rioxyradii	/ volumes/ KAID1/PTOXy	Aspect Ratio	
Fallback High Res Path	/Volumes/RAID2/HiRes	Codec	Apple ProRes 422 (HQ)
Fallback Proxy Path	/Volumes/RAID2/Proxy	Resolution	
		Audio Channels	
		Proxy	

For further information especially with regard to the installation/deployment of Apple's professional codecs, please consult the user manual.

You can access it under the Help menu of Just In Multi.

(1) = AJA NDD drivers and **just**:in 1.6 compatibility (due to AJA SDK changes):

- Versions 8.1.x and 9.0.x = up and until just:in version 1.5.165.
- Versions 9.1 and 10.0.x = from just:in version 1.5.174.
- Versions 10.1 and 10.3.1 = from just:in version 1.5.176 on including v.1.6.185
- Versions 10.3.2 and 10.3.3 = from just:in version 1.6.186 on.
- Versions 10.4.x = from just:in version 1.6.188 on.

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