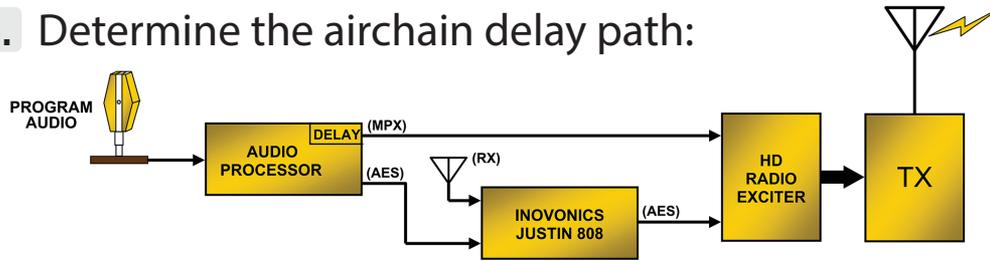


JUSTIN 808 Quick Start Guide

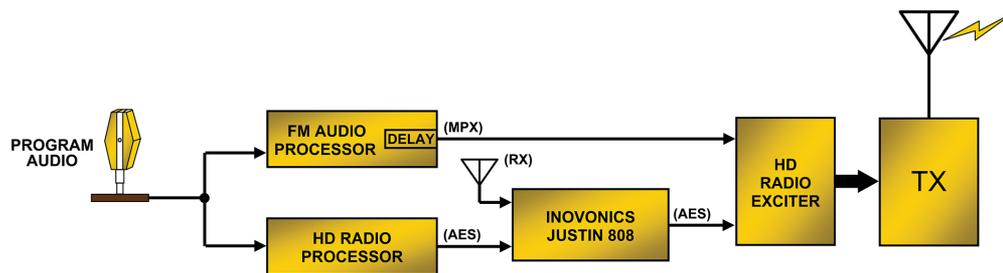


START HERE ⚠️ Read steps 1–7 before powering-up the unit.

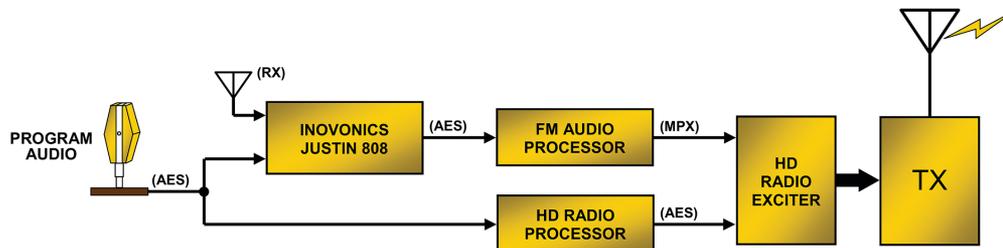
1. Determine the airchain delay path:



JUSTIN Implementation in HD Radio Air Chain With Single Audio Processor



JUSTIN Implementation in HD Radio Air Chain With Dual Audio Processors



JUSTIN Implementation in FM Air Chain With Dual Audio Processors

Single or dual audio processors with the JUSTIN 808 in the **HD1** airchain

OR

Dual audio processors with the JUSTIN 808 in the **FM** airchain

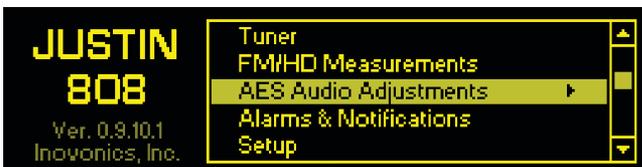
2. Plug things in:



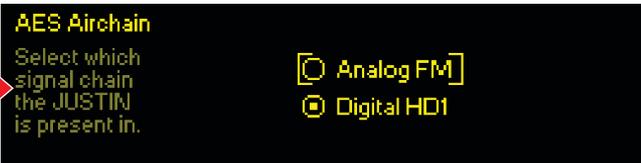
⚠️ **DO NOT CONNECT** network cable at this time

- ◆ Connect receive antenna
- ◆ Loop AES audio through the JUSTIN 808 per Step 1
- ◆ Connect AC mains power

3. Select the JUSTIN 808 AES Airchain path:



NOTE:
If JUSTIN 808 is installed in the HD1 airchain, increase your existing FM-path Diversity Delay by one-half second



Select **Analog FM** or **Digital HD1** per your configuration in step 1

continued

JUSTIN 808 Quick Start Guide



4. Tune the JUSTIN 808 to your station:

The screenshot shows the Justin 808 interface. On the left, the main menu has 'Tuner' selected. On the right, the 'Tuner' screen displays '96.90' in a large font, with 'HDT Locked' below it. To the right of the frequency are two signal strength indicators: 'FM' and 'HD', each with a bar graph showing signal levels.

Set receive frequency and verify good FM and HD1 signal quality.

5. Set time offset:

The screenshot shows the Justin 808 interface. On the left, the 'Network' menu has 'Time' selected. On the right, the 'Time Zone & DST' screen is shown. It has a 'Time Zone' dropdown menu set to 'UTC-8.0'. There are checkboxes for 'Auto DST' and 'DST', both of which are checked. Below these is the current date and time: 'Jul 07, 2015 - 12:19:59 pm'. A yellow warning triangle icon is present with the text: 'Correct local date and time will NOT display at this point'.

Adjust **Time Zone** and **DST** setup for your location.

⚠ Correct local date and time will NOT display at this point

6. Networking Setup:

The screenshot shows the Justin 808 interface. On the left, the main menu has 'Setup' selected. On the right, the 'Setup' screen has 'Network' selected. Below this, the 'IP Settings' screen is shown. It has a 'Port' dropdown set to '80'. There are radio buttons for 'DHCP' (selected) and 'Static IP'. To the right, the IP settings are displayed: 'IP: 192.168.1.21', 'Gateway: 192.168.1.1', 'Subnet: 255.255.255.0', and 'DNS: 192.168.1.1'.

You may connect network cable at this time

Select either **[DHCP]** or **[Static IP]** settings manually. (Static IP is the preferred and most reliable IP mode.)

7. Verify alignment:

The screenshot shows the Justin 808 interface. On the left, the main menu has 'FM/HD Measurements' selected. On the right, the 'FM/HD Measurements' screen has 'FM/HD Radio Time' selected. On the far right, a table shows the measured and applied delay.

Measured Delay		Applied Delay	
Samples	0	Samples	20028
Time	0.00ms	Time	+454.14ms
Status	FM and HD1 are aligned		

When the JUSTIN 808 calculates the time misalignment, it will begin adjusting its delay based on default settings.