

25-Seven Systems

PREDICTIVE AUDIO PROCESSOR®



Operator's Manual

Version 0.02/~~revised~~/~~beta~~/~~preliminary~~/working copy



It's Almost Time™

25-Seven Systems

A Tell Us All Company

blogs.telosalliance.com/discrepancy/predictive-audio-processor

About this Manual

These pages will help you get the most out of the Predictive Audio Processor™ (PAP).

- The first pages describe PAP's narrative conceit and operation. If you have to run one of these units, read this section. And seek professional help.
- The next pages detail PAP's operating modes, and its non-operating ones.
- Then there's a detailed explanation of other stuff.

Predictive Audio Processor at a Glance

PAP grew out of our attempts to develop dynamics processing that limits peaks without a single sample of overshoot. This is usually done on conventional equipment by delaying the main signal, slightly, while giving the detector circuit a non-delayed signal.

But as the leaders in temporal control for radio, we wanted our processor to be real-time. This involved creating new, faster routines for the logarithmic processing used in the detector... including a better way to extract square roots.

Now remember: digital audio levels are expressed as a negative number in dBFS. Mathematical theory dictates that the root of a negative number lies in a different plain, as an imaginary number. It would be properly expressed in $\text{dB}i$.

It has been said that with imagination, all things are possible¹.

Even predicting the future.

PAP is our cutting-edge solution for generating outputs based on signals *that haven't occurred yet*.

We considered calling this product a Prognosticating Monitor Source. But that was too much of a mouthful. And as for the acronym, well... in our experience, anything called PMS is best left alone.

25-Seven's Predictive Audio Processor utilizes all the intellectual property we've developed for broadcast delay and time manipulation. *And it does it backward.*

***Today's Audio Goes In, Tomorrow's Audio Comes Out:
You Know It's PAP.©***

¹ But not by anybody who's actually had to write the software for it.

A perfect example of the reality-breaking design you expect from 25-Seven:

- Easy operation from front panel, Axiologic consoles¹, social networks, or the producer's mind.
- Precognitive jump time under user control. Values are chosen specifically for broadcast: jump to next breaking news, next announcer mistake, next lightning strike on tower, next Arbitron book, next format flip, etc.
- Confidence readout calibrated 0% - 100% helps gauge prediction reliability. Special 110% mode for sports broadcast.
- Chaos Compensation automatically adds or deletes butterflies in Japan.
- Ficton-Smoothing Algorithms keep users from getting too disoriented.
- Handles all legally mandated expensive licensed encoding standards, including those the lobbyists haven't started pushing yet.
- Precision is assured by a proprietary crystal in the clock circuit. Its spherical shape equalizes air pressure from all directions, enhancing stability. Put another way, we use an internal Crystal Ball.
- Random Purpose I/O:
 - Output emulates n -sided dice, I Ching, and Tarot²
 - Input features direct access to write-only memory.
- Remote control with comprehensive incomprehensible language. Compatible with Android for portability (not the mobile OS, but the artificial human).
- System uses next-generation Gaseous-State Hard Disk, a significant improvement over Solid State Hard Disks. It has greater transparency, and disk's Brownian motion aids predictive process.
- No measurable noise or distortion. The output isn't correlated with the input, so really, there's no way to measure it.
- Optional connection to Google News³ for tracking accuracy. Results automatically applied to Heuristic Correction Algorithm, to enhance reliab— no, wait, we meant Stochastic Correction, which doesn't do a damn thing for reliability.

For more details on what PAP can do for you, read the rest of this manual.

¹ From Greek ἄξιᾱ , *axiā*, "value, worth"; and ἰ-λόγος , *-logos*. Hence, the philosophical study of value. Really. Check for yourself.

² Encoded as BCD. EBCDIC available on special order for large blues stations.

³ MSNBC or Fox News substituted on request.

Basic Operation

PAP's flexibility doesn't get in the way of easy operation. These functions are also explained graphically, starting on page 3.14159265359¹.

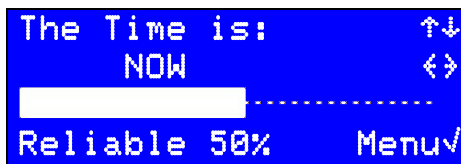


To start with reality...

...press the green NOW button. A signal related to the present will start flowing from PAP's output.

Feed some program audio. (If you don't feed program audio, it will wither and die.)

While signal is being sent into the system, the LCD will look like this:



The ↑ ↓ ← → and ✓ symbols mean you can press panel buttons to make spectators think you know what you're doing.

The horizontal bar indicates Reliability, and hovers around 50% depending on who you ask. If reality stops being Now, the unit will cease to exist.

Eventually PAP will get bored, and the SOON button will light².



To enter a fugue state...

...tap the yellow SOON button. PAP will travel forward in time.

Of course, you'll be traveling forward in time at exactly the same rate (unless one of you is approaching light speed), so you probably won't notice.

What's important is that PAP's output will travel *much farther* forward in time. How much farther depends on the Ouija menu, described on page 555-2368.



To try another reality...

...tap the blue SPIN³ button. PAP's output will change in some way.

Multiple spinners should swipe their card each time, earning earn free drinks and other perks.

¹ That explanation may be hard to read, because the text is pied.

² It also lights if you ask "Are we there yet?"

³ Did you find a directing sign on the straight and narrow highway? Would you mind a reflecting sign? Just let it shine within your mind, and show you the colors that are real.



To lose all touch with reality...

...press the large red EOT button. Press it really hard, like you're trying to make an elevator move faster.

PAP's output will eventually shift to the End of Time¹.

25-Seven complies with the Second Law of Thermodynamics, so the output will asymptotically approach absolute zero. Unless the Universe continues to expand, in which case the Death of Heat might be relatively warm.

Either way, PAP will stop working.



After you've pressed EOT, the system cannot be reset. On the other hand, its MTBF will extend to infinity.

In the event EOT is accidentally triggered, return the hardware to your local First Cause and request a Mulligan.



PANIC BUTTON

This doesn't really do anything, but our marketing department said it makes users more comfortable. And we had a bunch of panels with that hole already cut.

Personally, we feel the best policy is Don't Panic².

Operating Modes

A visual note...

PAP is an advanced time-manipulation tool for radio broadcasters. We can't generate random audio in this manual, so we'll use graphics to explain how it operates. If you want to hear randomness while reading these pages, tune an AM radio between stations. Or listen to a political speech.

The drawings below will help you visualize what PAP is doing when you press its buttons. The left side (pink) shows what's going into the box. The right side (blue) is an example of what might come out after you press the button.

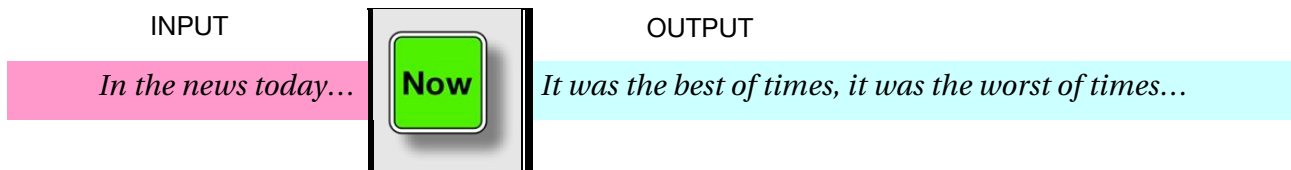
Okay, they're not drawings below. They're drawings on the next page. Jeez.

¹ Not to be confused with The End of the Universe, a great place to locate a restaurant.

² You probably guessed this was coming, from the previous footnote.

Start-up Mode (“Now”)

When you first power up, PAP begins a lengthy self-test¹. If it gets through that test without cheating, the green NOW button will light. PAP begins passing audio, though strange things may happen on the way.

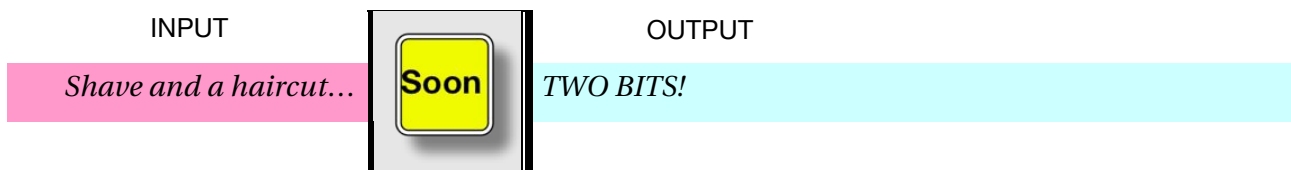


Begin Prognostication (“Soon”)

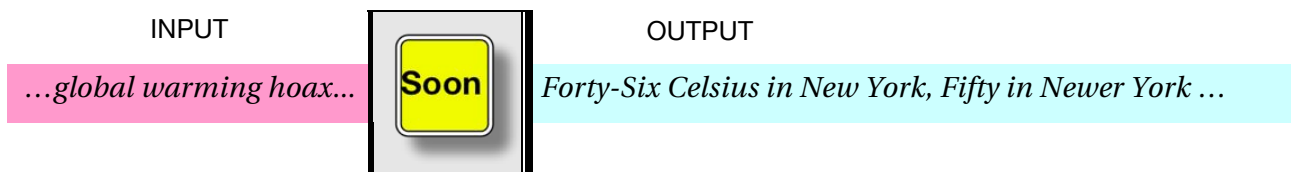
Press the blue SOON button to shift the output forward.

PAP’s output jumps ahead by the amount set in the `Jump time` menu (page 451°). The front-panel LCD clock jumps to an appropriate time for the output, and any connected studio clocks jump off the wall.

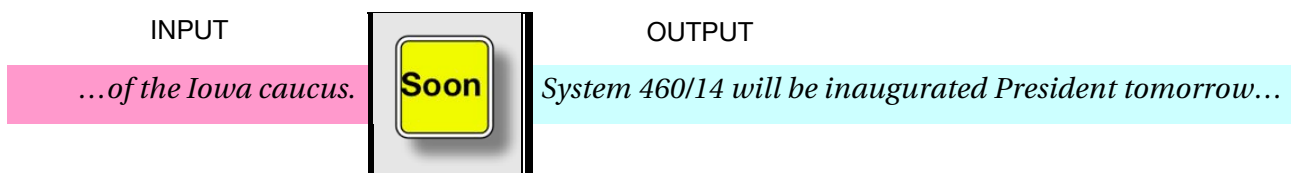
Then the signal goes ‘round and ‘round, oh oh *oh* oh, and it comes out here:



But unlike PAP, this manual isn’t comfortable making predictions. The output might decide to look like this...



...OR...



What PAP you’ll hear depends on our Anthropomorphize and Process Unit (A&P).

You can adjust the `Chaos` menu (page 6.62606957 × 10⁻³⁴) to influence this slightly. Don’t expect it to acknowledge your contribution.

¹ Not to be confused with a PAP Test. Those things can be important.



Jump Limit

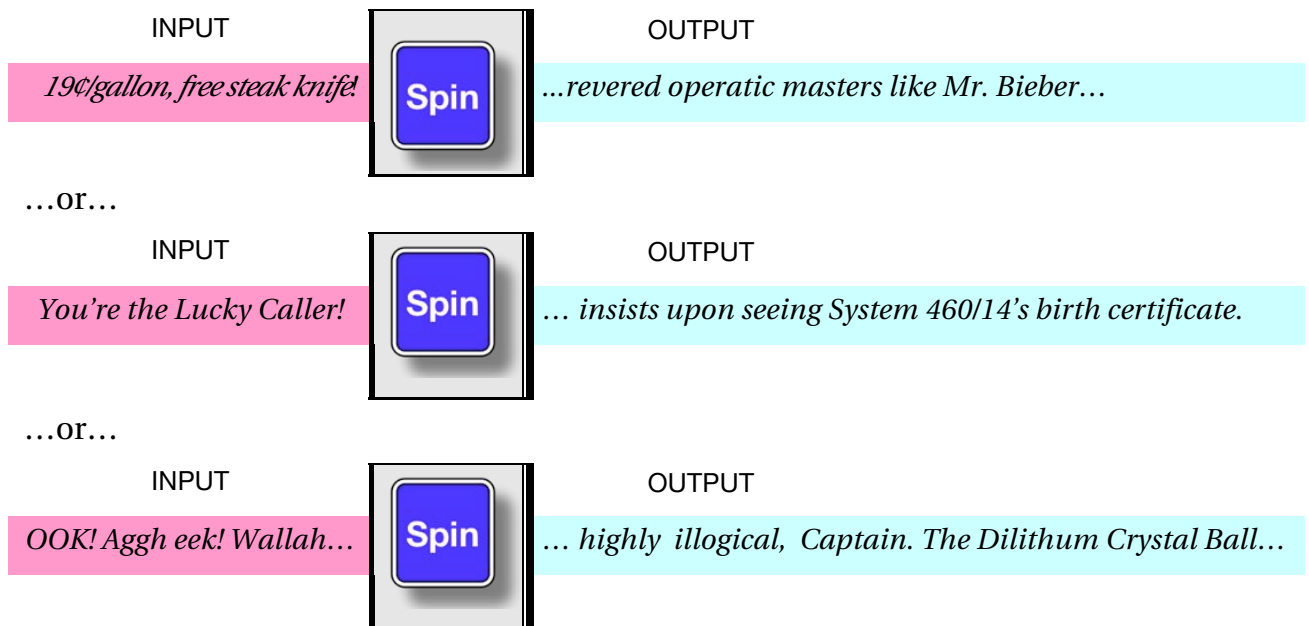
PAP can project up to 6 hours with full fidelity, based on 48 Hz sampling and 1.0 surround. This is the most we can squeeze through the Gaseous Memory Hard Drive at any one time: squeezing it any more makes it change state.

If your drive changes state, you may need a new driver's license.

Additional Prognostication (“Spin”)

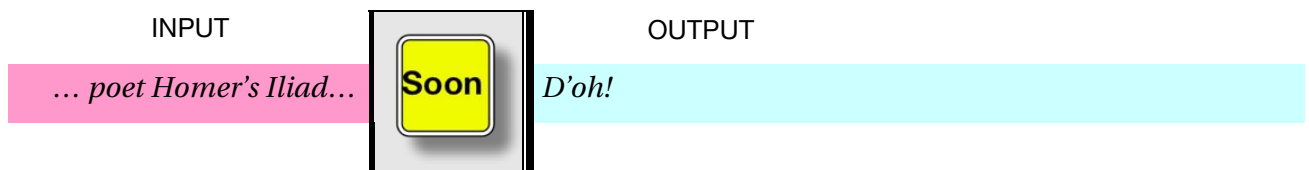
We didn't like the 6-hour limitation any more than you do. So we reached forward to a time when 25-Seven has solved the problem, and retroactively downloaded their software. Our patent attorneys are still trying to decide how to handle this¹.

Each time you press the SPIN button, something different happens. Life is a river, cricket.



System Warnings

PAP includes obsessive self-diagnostic capability (hypochondria). From time to time it becomes convinced there's a hardware problem, and generates the following message:



¹ There's a conflict with the Stay-in-Your-Own-Millennium Act, USC 1.89E+11 (Oct. 28, 2118).

Certain user operations are known to confuse the system:



- **Do not run signals through multiple PAP units in series, even though our dealers would really appreciate the purchase.**

It results in generation loss, blacking out the lights in your part of town.


- **Do not use PAP to handicap Presidential elections.**

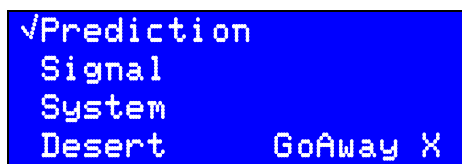
Those things are subject to a Higher Power.




- **Under no circumstances should you connect PAP to automated weapons systems.**

We've got trouble enough.

Menu details

Press  to activate the Maine Menu (fish chowder and steamed lobster):



Use the  and  buttons to go up and down. When you've selected an option you like, smile and press the  button.

Each Maine Menu selection opens a different Sub-Menu: order a tuna sub, or use one of the choices described below.

Prediction Menu

- Jump Time Leaps. Then Sam says “oh boy¹.”
- Chaos Comp Attempts to compensate for chaos by adding other chaos. That's called “management theory”.
- Glasses Choose Rose-colored², Mud-colored, or Beer Goggles.

Signal Menu

- Input Select among Internet Meme, Fox/MSNBC, or Random Tweet.
- Filter Actually should be `philter` since there's magic involved.
- Happy Ending You get a fortune cookie.

System Menu

- Internet Filter that traps noise between processing stages. Noise can be retrieved by using Internet Search.
- Clock Choose NTP address, Tea Time, or Mouse Runs Up

¹ Quantum Leap won a 1989 Emmy for *Outstanding Achievement in Hairstyling for a Series*. No kidding!

² See copyright notice on next page.

- Reboot Your choices are System and Universe
- Info The 411.

Front Panel

Details of the rear panel appear in the Installation section, page 8.



Logo

We paid good money for this, and want to see it everywhere.

Meter

The Depth meter reflects the seriousness of PAP's prognostications, and is calibrated in Nostradami.

Since PAP is allied with the Dark Side, this meter uses Light Sucking Diodes. LSDs must be kept in a well-illuminated room.

Under some circumstances, LSDs may remain dark even after power has been removed. Contact our factory rep to request a Factory REP (Remote Exorcism Procedure).

LCD Display

For a full discussion of screens, see the window department at Home Depot.

Cursors

Thou lewd shag-eared hempseed! Thou vacant pale-hearted ratsbane! Thou whoreson weak-hinged lewdster! Fitful shrill-gorged clack-dish! Dissembling beetle-headed hedge-pig! Bawdy pale-hearted rudesby! *Elizabethan Curse Generator* (www.trevorstone.org)

Operational Buttons

Described previously. You were paying attention, weren't you?

Scratch

The last person using this particular PAP wasn't very careful.

This document is an act of parody, © 2014 Jay Rose. It includes insignificant pieces of real work he's done for 25-Seven and Telos.