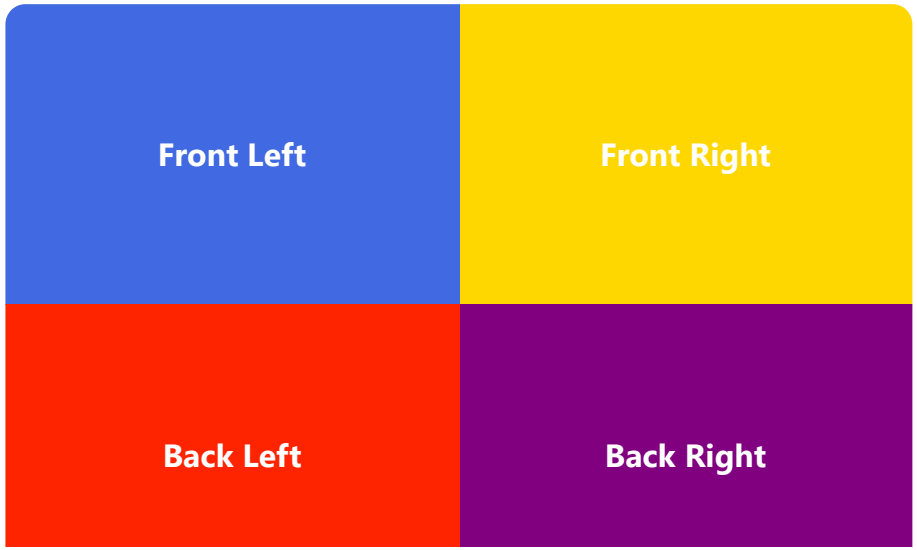
Brain Codec

The Benchmark of Decoding the Brain - Interactive Implementation

Dark Mode

Brain Region Classification

The brain is divided into four major regions where words are stored:



Body Alphabet Mapping

Each letter is mapped to specific locations on the body:

A: Right Collarbone | **B: Left Collarbone** | **C: Right Below A** | **D: Left Below B**

The pattern continues down the body with letters alternating sides.

Numbers 1-26 are mapped to the back of the body in a similar pattern.

Click on each region to see what types of words are stored there.

The 7 Expressions Rule

According to David's Seven Expressions Golden Rule, every word must have 7 expressions/forms:

Expression Type	Description	Example for "Clap"
Written Language	English or other language form	"clap"
Voice Sound Wave	Audio waveform when spoken	Sound pattern of "clap"
EEG/fMRI Scan Language	Brain activity patterns	Neural activity in right back brain
Light/Acoustic Wave	Electromagnetic representation	Specific frequency pattern
Brain Language Sequence	Order of brain region activation	Right back → C → L → A → P
Body Alphabet Map	Body locations for each letter	Collarbone, 6th left, etc.
Binary/Body Number Map	Numerical and binary representation	3.12.1.16 → 11000100100001000010110

Brain Codec Decoder

Enter a word to see how it would be decoded using the Brain Code system:

clap

Decode Word

Word: clap

Sound Wave Visualization

Binary Representation

```
01100011 01101100 01100001 01110000
```

Body Mapping Sequence

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Right Back Brain → C (Right side, position 1) → L (Left side, position 2) → A (Right side, position 3) → P (Left side, position 4) → Deflate
```

Numerical Representation

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C=3, L=12, A=1, P=16 → 3.12.1.16
```

Brain Language Construction

Each word in brain language follows a specific construction pattern:

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[Brain Region] + [Letter 1 Position] + [Letter 2 Position] + ... + [Letter N Position] + [Deflate]
```

For example, "clap" stored in the right back side of the brain would be constructed as:

```
RBS + C + L + A + P + DEFLATE
```

Try constructing a brain language command:

Enter a command (e.g., raise hand) Construct Command

```
Enter a command to see its brain language construction.
```

Applications and Future Development

This brain decoding system has numerous applications:

- Brain-Computer Interfaces (BCIs) for disabled individuals
- Advanced communication systems
- Human-like robotics with natural language processing
- Medical diagnostics and treatment
- Enhanced learning and memory systems

The system can be expanded with:

- Machine learning algorithms for pattern recognition
- Real-time EEG/fMRI integration
- Advanced acoustic wave analysis
- Comprehensive brain language dictionary
- Body mapping visualization systems