

# Content Alchemist Modules - Quick Reference

## Available Modules

### Brand Voice Engine brand\_voice\_engine\_v1

javascript

*// INPUT*

```
{  
  tone: "playful yet professional",  
  vibes: ["innovative", "approachable"],  
  metaphor: "a creative playground",  
  audience: "startup founders",  
  context: "social|email|website",  
  sampleCopy: "optional previous writing",  
  visualInsights: "optional AI vision data"  
}
```

*// OUTPUT*

```
{  
  brand_essence: "You transform ideas into...",  
  voice_attributes: ["innovative", "warm", ...],  
  content_pillars: ["education", "inspiration", ...],  
  unique_angle: "What sets you apart",  
  emotional_signature: "empowered and excited",  
  tone_spectrum: { formal_casual: 0.3, ... }  
}
```

### Content Generator content\_generator\_framework\_v1

javascript

```
// INPUT
{
  brand_profile: { /* from Brand Voice Engine */ },
  content_request: {
    type: "social_reel|carousel|email_sequence|weekly_content",
    quantity: 3,
    requirements: "specific needs",
    creativity: 0.8, // 0-1 scale
    maxTokens: 1000
  }
}

// OUTPUT
{
  content_type: "social_reel",
  generated_content: [ /* array of content */ ],
  brand_profile_used: "essence string",
  _metadata: { /* tracking info */ }
}
```

## Quality & Safety Gate quality\_safety\_gate\_v1

javascript

```
// INPUT
{
  content: { /* from Content Generator */ },
  safety_level: "strict|moderate|relaxed"
}

// OUTPUT
{
  validation: {
    passed: true,
    safety: { passed: true },
    quality: { passed: true, score: 0.9 }
  },
  content: { /* original content */ },
  proceed: true
}
```

## Alchemist Voice alchemist\_voice\_v1

javascript

```
// INPUT
{
  brand_profile: { /* brand essence data */},
  context: {
    type: "brand_discovery|email_launch|content_creation",
    product: "10_pic_push|email_builder|weekly_drop"
  }
}

// OUTPUT
{
  message: "Your creative force flows like...",
  context: "brand_discovery",
  timestamp: "2024-01-20T..."
}
```

## Output Formatter output\_formatter\_universal\_v1

javascript

```
// INPUT
{
  content: { /* validated content */},
  format: "mobile_preview|api_response|email_template|download_package",
  options: { /* format-specific options */}
}

// OUTPUT - varies by format
{
  success: true,
  data: { /* formatted content */},
  generated_at: "timestamp"
}
```

## Quick Integration Pattern

javascript

*// 1. Setup webhook and parse inputs*

```
const userInput = parseWebhookData($input);
```

*// 2. Generate brand voice (ALWAYS FIRST)*

```
const brandVoice = await executeWorkflow('brand_voice_engine_v1', {  
  tone: userInput.tone,  
  vibes: userInput.vibes,  
  context: 'your_product_context'  
});
```

*// 3. Generate content using brand voice*

```
const content = await executeWorkflow('content_generator_framework_v1', {  
  brand_profile: brandVoice,  
  content_request: {  
    type: 'your_content_type',  
    quantity: 3  
  }  
});
```

*// 4. Validate content*

```
const validated = await executeWorkflow('quality_safety_gate_v1', {  
  content: content,  
  safety_level: 'moderate'  
});
```

*// 5. Add encouragement (optional but recommended)*

```
const message = await executeWorkflow('alchemist_voice_v1', {  
  brand_profile: brandVoice,  
  context: { type: 'your_context' }  
});
```

*// 6. Format for output*

```
const final = await executeWorkflow('output_formatter_universal_v1', {  
  content: validated.content,  
  format: 'your_format'  
});
```

*// 7. Send response*

```
return final;
```

Type	Use Case	Output Structure
social_reel	Short videos	hook, script, visual_notes, cta
carousel	Multi-slide posts	title, slides[], design_notes
email_sequence	Email campaigns	subject, preview, body, cta
weekly_content	Content calendar	monday-sunday posts
hook_lines	Attention grabbers	hook_text, emotion, use_case
website_copy	Web pages	headline, sections[], cta

## Performance Tips

1. **Cache Brand Profiles** - Reuse for 24 hours per user
2. **Batch Content Generation** - Generate multiple pieces in one call
3. **Skip Quality Gate** - For trusted/internal content only
4. **Preload Common Configs** - Store popular combinations
5. **Monitor Token Usage** - Track costs per module

## Common Issues

### "Module not found"

- Check workflow ID matches exactly
- Ensure module is active/published
- Verify permissions set correctly

### "Invalid input format"

- Review input schema above
- Check required fields present
- Validate JSON structure

### "Quality check failed"

- Review safety guidelines
- Check content completeness
- Adjust generation parameters

## Module Combinations

## Social Media Suite

Brand Voice → Reel Generator → Carousel Generator →  
→ Hook Generator → Quality Gate → Mobile Preview

## Email Marketing Flow

Brand Voice → Email Generator → Quality Gate →  
→ Alchemist Voice → Email Template Format

## Complete Content Package

Brand Voice → Multiple Generators (parallel) →  
→ Quality Gate → Download Package Format



## Module Versioning

- Current stable: **v1** suffix
- Beta features: **v2\_beta** suffix
- Legacy support: **v0** suffix
- Always specify version in production

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*Remember: The magic is in the modules working together. Each builds on the last to create truly transformative content experiences.*