

# Soundtrack Your Brand API - Enhanced Error Handling & Diagnostics

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## Summary

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I've investigated the Soundtrack Your Brand API errors you're experiencing and implemented comprehensive diagnostic and troubleshooting tools to help identify and resolve the issue.

## The Problem

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All Soundtrack Your Brand API endpoints are returning **404 Not Found** errors:

- `/api/soundtrack/account` - 404
- `/api/soundtrack/players` - 404
- `/api/soundtrack/stations` - 404

This suggests one of the following:

1. **API endpoints have changed** (v2 → v3 or different structure)
2. **API key has expired or been revoked**
3. **Account/subscription issues**
4. **Authentication method has changed**

## What I've Implemented

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### 1. Enhanced API Client ( `src/lib/soundtrack-your-brand.ts` )

#### ✓ Automatic Authentication Fallback

- Now tries both Bearer token and Basic authentication
- Automatically retries with alternative method on 401/403 errors

#### ✓ Better Error Messages

- Specific messages for 404, 401, 403 errors
- Guidance on what each error means

#### ✓ Connection Diagnostic Method

- Tests multiple API versions (v1, v2, v3)
- Tests multiple endpoints (`/account`, `/accounts`, `/me`, `/soundzones`, `/players`)
- Finds working combinations automatically

### 2. Diagnostic API Endpoint ( `/api/soundtrack/diagnose` )

#### ✓ Comprehensive Testing

- Tests all possible API version and endpoint combinations
- Provides detailed diagnostic results
- Returns specific recommendations

### 3. Enhanced Configuration UI ( `/soundtrack` )

#### ✓ "Test API Connection" Button

- One-click diagnostic test

- Shows detailed results in the UI
- Provides actionable recommendations

#### ✓ **Better Error Display**

- Clear troubleshooting steps
- Links to Soundtrack support resources
- Helpful guidance for resolution

### 4. Improved Bartender Remote ( /remote )

#### ✓ **Enhanced Error Messages**

- Specific 404 error handling
- Troubleshooting steps displayed to bartenders
- Guidance to contact management

### 5. Comprehensive Documentation

#### ✓ **Troubleshooting Guide** ( SOUNDTRACK\_TROUBLESHOOTING.md )

- Detailed problem analysis
- Step-by-step resolution steps
- Manual testing commands
- Contact information for Soundtrack support

## How to Use the Diagnostic Tools

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### Method 1: Web Interface (Recommended)

1. Navigate to: **http://192.168.1.25:3000/soundtrack**
2. Click the **“Test API Connection”** button
3. Review the diagnostic results
4. Follow the recommendations provided

### Method 2: Check Bartender Remote

1. Navigate to: **http://192.168.1.25:3000/remote**
2. Click the **“Music”** tab
3. Review any error messages and troubleshooting steps

## Next Steps to Resolve the Issue

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### Immediate Actions:

1. **Run the Diagnostic Tool**
  - Go to `/soundtrack`
  - Click “Test API Connection”
  - See what the diagnostic finds
2. **Check Soundtrack Account**
  - Log in to: <https://business.soundtrackyourbrand.com/>
  - Verify subscription is active
  - Check for any notifications or alerts
3. **Check API Settings**
  - Look for API configuration in your Soundtrack dashboard

- Check if there's a new API version or endpoint information
- Consider regenerating the API key

#### 4. **Contact Soundtrack Support**

- Email: support@soundtrackyourbrand.com
- Provide:
  - Account: Graystone Ale House
  - Error: "All API v2 endpoints returning 404"
  - Request: Current API endpoint information

### If API Has Changed:

If Soundtrack support confirms the API endpoints have changed, I can update the integration:

1. They'll provide the new base URL (e.g., v3 instead of v2 )
2. We'll update the code in `src/lib/soundtrack-your-brand.ts`
3. Rebuild and restart the application
4. Everything should work again

## Database Status

Current Soundtrack configuration in your database:

```
API Key: Configured (132 characters, Base64-encoded)
Account ID: null
Account Name: null
Status: active
Last Tested: 2025-10-01 15:39:53
```

**Note:** The account name showing "Graystone Ale House" in your browser might be cached data from when the API was working previously.

## Features Still Working

All other application features continue to work normally:

- ☒ Matrix control
- ☒ Device configuration
- ☒ CEC control
- ☒ Sports guide
- ☒ Bartender remote (except music)
- ☒ AI assistant
- ☒ All other integrations

The Soundtrack integration is isolated, so this issue doesn't affect anything else.

## Testing the Fix

Once you get updated information from Soundtrack or regenerate the API key:

#### 1. **Update API Key** (if needed)

- Go to `/soundtrack`

- Enter new API key
- Click "Save API Key"

## 2. Test Connection

- Click "Test API Connection"
- Should show success if endpoint/key is correct

## 3. Refresh Players

- Click "Refresh Players"
- Players should appear if API is working

## 4. Test Bartender Remote

- Go to `/remote` → Music tab
- Should show players and controls

# Files Changed

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All changes have been committed and pushed to GitHub:

- ✓ `src/lib/soundtrack-your-brand.ts` - Enhanced API client
- ✓ `src/app/api/soundtrack/diagnose/route.ts` - New diagnostic endpoint
- ✓ `src/components/SoundtrackConfiguration.tsx` - Enhanced UI
- ✓ `src/components/BartenderMusicControl.tsx` - Better error handling
- ✓ `SOUNDTRACK_TROUBLESHOOTING.md` - Comprehensive guide

# Support Resources

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- **Application Config:** <http://192.168.1.25:3000/soundtrack>
- **Troubleshooting Doc:** See `SOUNDTRACK_TROUBLESHOOTING.md`
- **Soundtrack Support:** [support@soundtrackyourbrand.com](mailto:support@soundtrackyourbrand.com)
- **Soundtrack Business:** <https://business.soundtrackyourbrand.com/>
- **API Docs:** <https://soundtrack.api-docs.io/>

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**Created:** October 1, 2025

**Status:** Diagnostic tools implemented and ready to use

**Next:** Run diagnostic test and contact Soundtrack support if needed