

Soundtrack API Schema Fix - October 1, 2025

Problem Identified

The Soundtrack Your Brand integration was showing this error:

```
Field "soundZones" does not exist on type "Viewer"
```

This indicates the GraphQL query structure doesn't match your Soundtrack account's API schema.

Solution Implemented

I've updated the Soundtrack API integration with **intelligent query pattern detection**:

Changes Made

- 1. Multi-Pattern Fallback System**
 - Tries multiple GraphQL query structures automatically
 - Falls back to REST API if GraphQL fails
 - No manual configuration needed
- 2. Enhanced Diagnostics**
 - GraphQL introspection to discover available queries
 - Tests multiple query patterns and reports which works
 - Detailed error messages with troubleshooting steps
- 3. Improved Error Handling**
 - Better error messages
 - Helpful recommendations
 - Automatic fallback logic

Update Instructions

To get the fix:

```
cd ~/Sports-Bar-TV-Controller
./update_from_github.sh
```

The update script will:

- ☒ Pull latest code from GitHub
- ☒ Install dependencies
- ☒ Rebuild the application
- ☒ Restart the server
- ☒ Preserve all your configuration data

Testing the Fix

After updating:

1. Open the Soundtrack page:

`http://192.168.1.25:3000/soundtrack`

2. Enter your API token




- Get it from: `https://business.soundtrackyourbrand.com/`
- Settings → Integrations → API Access
- Copy the entire token (already base64-encoded)

3. Click “Test API Connection”

The test will now:

- Try different query patterns
- Show which pattern works
- Display available API queries
- Provide specific recommendations

1. Review the results:

-  **Success:** Shows “Successfully connected” + which pattern worked
-  **Warning:** Shows what failed and suggests fixes
-  **Error:** Detailed message with next steps

What The Test Does

Pattern 1: Direct Query (Try First)

```
{
  soundZones { id name }
}
```

Pattern 2: Viewer Query (Fallback)

```
{
  viewer { soundZones { id name } }
}
```

Pattern 3: Me Query (Alternative)

```
{
  me { id }
}
```

Pattern 4: REST API (Last Resort)

```
GET /v2/accounts
```

The system automatically tries all patterns and uses the one that works.

Expected Results

If Token is Valid and Has Permissions:

You'll see one of these success messages:

GraphQL Success:

✓ Successfully connected to Soundtrack Your Brand API
Working query: soundZones direct
Available queries: [list of available API queries]

REST Success:

✓ Successfully connected to Soundtrack Your Brand API (REST)
Note: GraphQL queries failed, but REST API is working

If There's an Issue:

You'll see specific error messages like:

✗ Authentication failed
→ Check your API token is correct and not expired

✗ Field 'X' does **not** exist on **type** 'Y'
→ Your account may have limited API access
→ Contact Soundtrack support to verify API permissions

✗ 404 Not Found
→ Check your account has API access enabled
→ Verify endpoint: <https://api.soundtrackyourbrand.com/v2>

Documentation

Full Troubleshooting Guide

See `SOUNDTRACK_API_TROUBLESHOOTING.md` for:

- Manual API testing with curl
- Token verification steps
- Common issues and solutions
- How to contact Soundtrack support
- Detailed error explanations

Previous Documentation





- `SOUNDTRACK_INTEGRATION_GUIDE.md` - Feature overview
- `SOUNDTRACK_SETUP.md` - Initial setup guide
- `SOUNDTRACK_BUILD_FIXES.md` - Compilation fixes

Technical Implementation

New Capabilities

```
// The API client now:
1. Tries introspection first (discovers schema)
2. Tests multiple query patterns
3. Falls back to REST API
4. Returns detailed diagnostic info
5. Uses working pattern automatically
```

Backwards Compatible

-  Works with existing configurations
-  No database changes required
-  Preserves API token
-  No manual configuration needed

Next Steps After Successful Connection

Once the test shows success:

1. **Refresh Players**
 - Click the “Refresh” button
 - Your sound zones will load
2. **Configure Visibility**
 - Select which players bartenders can see
 - Set display order
3. **Test in Bartender Remote**
 - Go to `/remote`
 - Music controls will appear
 - Test play/pause/volume

If Still Having Issues

Check These Common Causes:

1. **Token Issues**
 - Token expired (generate new one)
 - Token copied incorrectly (check for spaces)
 - Token doesn't have required permissions
2. **Account Issues**
 - No sound zones configured in Soundtrack
 - API access not enabled for your account
 - Account subscription level doesn't include API
3. **Network Issues**
 - Firewall blocking Soundtrack API
 - DNS resolution problems
 - Internet connection issues

Get Help

1. Check application logs:

```
bash
cd ~/Sports-Bar-TV-Controller
pm2 logs sports-bar | grep -i soundtrack
```

2. Manual API test:

```
bash
# See SOUNDTRACK_API_TROUBLESHOOTING.md for curl commands
```

3. Contact Soundtrack:

- Dashboard: <https://business.soundtrackyourbrand.com/>
- Support: help@soundtrackyourbrand.com
- Mention: "API GraphQL schema access"



Files Changed

Code Files:

- `src/lib/soundtrack-your-brand.ts` - Enhanced with multi-pattern support
- All API routes now use flexible queries

Documentation:

- `SOUNDTRACK_API_TROUBLESHOOTING.md` - Comprehensive troubleshooting (NEW)
- `SOUNDTRACK_SCHEMA_FIX.md` - This document (NEW)
- `SOUNDTRACK_BUILD_FIXES.md` - Compilation fixes

Commits:

- `7954a38` - Flexible GraphQL query patterns
- `785560f` - Troubleshooting documentation
- `029a72e` - Build fixes documentation
- `c5fff7d` - Initial GraphQL fixes



Verification Checklist

After updating, verify:

- ☐ Update script completed successfully
- ☐ Application is running (check `pm2 status`)
- ☐ Soundtrack page loads without errors
- ☐ API token saved successfully
- ☐ Connection test runs and shows results
- ☐ Test shows which pattern works (if successful)
- ☐ Players load after successful test
- ☐ Bartender remote shows music controls

Support

If you need assistance:

1. **Check the logs** (see above)
 2. **Review the troubleshooting guide**
 3. **Test manually with curl** (commands in troubleshooting guide)
 4. **Verify Soundtrack account** has API access
 5. **Share test results** if asking for help
-

Summary

- ✓ **Fixed:** GraphQL schema compatibility issues
- ✓ **Added:** Automatic query pattern detection
- ✓ **Added:** Comprehensive diagnostics
- ✓ **Added:** REST API fallback support
- ✓ **Documented:** Full troubleshooting guide

Status: Ready for testing - please update and run connection test

Last Updated: October 1, 2025, 11:45 AM

Commits: 785560f (on GitHub)