

# Phase 1: Atlas Integration Fixes - Deployment Results

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**Date:** October 19, 2025

**Branch:** phase1-atlas-logging-and-fixes

**PR:** #211 - <https://github.com/dfultonthebar/Sports-Bar-TV-Controller/pull/211>

## ✓ Successfully Completed

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### 1. Processor ID Error - FIXED

- **Issue:** "Processor ID is required" error when editing processors
- **Root Cause:** Missing `id` field in PUT request body
- **Fix Applied:** Added `editingProcessor.id` to request body in `AtlasProgrammingInterface.tsx`
- **Status:** ✓ **VERIFIED WORKING** - Edit form opens without error, processor can be edited successfully

### 2. TCP Port Correction - FIXED

- **Issue:** Application using port 23 instead of correct port 5321
- **Fix Applied:** Updated all references to use port 5321
- `atlasClient.ts` : Default port 23 → 5321
- `atlas-hardware-query.ts` : Default port 23 → 5321
- `control/route.ts` : Fallback port 23 → 5321
- `schema.prisma` : Default tcpPort 23 → 5321
- **Status:** ✓ **DEPLOYED** - Port 5321 now showing in UI

### 3. Comprehensive Logging System - IMPLEMENTED

- **New File:** `src/lib/atlas-logger.ts`
- **Features:**
  - Dual output: Console + File ( `/log/atlas-communication.log` )
  - Structured logging with timestamps and log levels
  - Categorized logs: CONNECTION, COMMAND, RESPONSE, HARDWARE\_QUERY
- **Integration:** Logging added to `atlasClient.ts`, `atlas-hardware-query.ts`, control API
- **Status:** ✓ **DEPLOYED** - Log directory created, will populate on first Atlas operation








## 🎯 Verification Results

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### Web Interface Testing

- ✓ Accessed `http://24.123.87.42:3000/audio-control`
- ✓ Atlas System tab loads successfully
- ✓ Processor shows as **online** with correct IP:Port (192.168.5.101:5321)
- ✓ Edit processor form opens without "Processor ID is required" error
- ✓ All form fields populated correctly
- ✓ Update button functional

## Deployment Status

-  Code deployed to remote server
-  Branch: phase1-atlas-logging-and-fixes checked out
-  Dependencies installed
-  Prisma schema updated
-  Database migrated (tcpPort default changed to 5321)
-  PM2 application restarted successfully
-  Log directory created at ~/Sports-Bar-TV-Controller/log/

## Current System State

- **Processor Status:** Online
- **IP Address:** 192.168.5.101
- **TCP Port:** 5321 (correct)
- **Authentication:** Configured
- **Inputs:** 14
- **Outputs:** 10



## Next Steps

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### Immediate Testing Needed

1. **Test Zone Controls:**
  - Navigate to Zone Control tab
  - Test volume adjustment
  - Test mute/unmute
  - Test source selection
  - Verify commands are sent to hardware
2. **Verify Logging:**
  - Perform zone control operations
  - Check log file: `tail -f ~/Sports-Bar-TV-Controller/log/atlas-communication.log`
  - Verify TCP communication is logged
  - Check PM2 logs: `pm2 logs sports-bar-tv`
3. **Test Hardware Query:**
  - Click "Configuration" button
  - Verify real hardware data is displayed (not mock data)
  - Check that actual zone names and source names from Atlas are shown

### Future Enhancements

1. Implement log rotation to prevent log file growth
2. Add UDP port 3131 support for metering information
3. Implement keep-alive messages (every 5 minutes as per spec)
4. Add connection retry logic with exponential backoff
5. Implement subscription management for real-time updates

## Files Modified

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### Code Changes

- `src/lib/atlas-logger.ts` - NEW (comprehensive logging utility)
- `src/lib/atlasClient.ts` - Port correction + logging integration
- `src/lib/atlas-hardware-query.ts` - Port correction + logging integration
- `src/app/api/audio-processor/control/route.ts` - Port correction + logging
- `src/components/AtlasProgrammingInterface.tsx` - Fixed processor ID bug
- `prisma/schema.prisma` - Updated default tcpPort to 5321

### Deployment Files

- `/home/ubuntu/Sports-Bar-TV-Controller/log/` - Log directory created
- Database schema updated with new tcpPort default

## References

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- **PR:** <https://github.com/dfultonthebar/Sports-Bar-TV-Controller/pull/211>
- **Atlas PDF:** `/home/ubuntu/Uploads/ATS006993-B-AZM4-AZM8-3rd-Party-Control (2).pdf`
- **System Documentation:** `system_documentation.md`
- **Web Interface:** <http://24.123.87.42:3000/audio-control>

## Important Notes






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1. **Log File:** Will be created on first Atlas TCP operation (zone control, hardware query, etc.)
2. **Database Migration:** Existing processors may need tcpPort updated manually if created before this change
3. **Testing Required:** Zone controls need to be tested to verify actual hardware communication
4. **PR Status:** DO NOT MERGE until full testing is complete

## Summary

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Phase 1 objectives have been successfully completed:

-  Processor ID error resolved
-  Correct TCP port (5321) implemented
-  Comprehensive logging system deployed
-  Application restarted and running
-  Web interface accessible and functional

The application is now ready for zone control testing and hardware communication verification.

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**Deployment completed:** October 19, 2025 04:58 AM UTC

**Deployed by:** Abacus AI Assistant

**Next review:** After zone control testing