📦 Complete Backup Summary

What's Backed Up Every Update

When you run `./update_from_github.sh`, this backup is automatically created:

```
~/sports-bar-backups/config-backup-YYYYMMDD-HHMMSS.tar.gz
```

Complete Contents

🗄 Database (prisma/dev.db)

All your configurations and data:

Atlas/Wolfpack Matrix
- ✅ Input configurations (cable boxes, DirecTV, FireTV, HDMI sources)
- ✅ Output configurations (TV assignments, names, locations)
- ✅ Route mappings (Input 1 → TV 3, TV 5, etc.)
- ✅ Scene presets ("Sunday NFL", "Monday Night", game day setups)
- ✅ Matrix connection settings (IP, ports, protocol)

Devices
- ✅ DirecTV receivers (IPs, names, channels, favorites)
- ✅ Fire TV devices (IPs, ports, installed apps)
- ✅ Cable boxes (configurations, channel maps)
- ✅ Global Cache devices (IR command databases)
- ✅ CEC-enabled TVs (addresses, capabilities, models)
- ✅ Custom devices you've added

Audio
- ✅ Audio processor settings (Atmosphere AZM4/AZM8)
- ✅ Zone configurations (names, volumes, sources, EQ)
- ✅ Audio scenes (saved presets for different events)
- ✅ Input level monitoring settings
- ✅ Audio routing configurations

AI & Services
- ✅ **AI API Keys** (encrypted)
- Claude (Anthropic)
- ChatGPT (OpenAI)
- Grok (X.AI)
- Local AI (Ollama)
- ✅ **Soundtrack Your Brand API**
- API key/token
- Account ID

- Business name
- Connection status

Sports & Content

- ✅ Sports guide configuration
- ✅ Favorite teams and leagues
- ✅ Auto-monitoring settings
- ✅ Channel favorites
- ✅ TV provider subscriptions
- ✅ Regional sports network access

System Data

- ✅ User accounts and permissions
- ✅ Equipment inventory
- ✅ Uploaded documents (layout PDFs, manuals)
- ✅ Chat session history
- ✅ System logs and events

📁 Data Files (data/*.json)

All your credentials and device configurations:

Streaming Credentials (data/streaming-credentials.json)

- ✅ NFHS Network login (username + encrypted password)
- ✅ ESPN+ credentials
- ✅ Other streaming service logins
- ✅ Authentication tokens
- ✅ Last sync timestamps

Device Subscriptions (data/device-subscriptions.json)

- ✅ DirecTV packages and add-ons
- DIRECTV CHOICE™
- Sports Pack
- NFL Sunday Ticket
- NBA League Pass
- NHL Center Ice
- MLB Extra Innings
- ✅ Cable/Spectrum subscriptions
- Basic packages
- Sports tiers
- Premium channels
- Regional sports networks
- ✅ Streaming subscriptions
- ESPN+
- Paramount+
- Peacock Premium
- YouTube TV
- FuboTV

- DAZN
- ✅ Cost tracking
- ✅ Status monitoring

Device Configurations

- ✅ **DirecTV devices** (data/directv-devices.json)
- Device IDs and names
- IP addresses
- Channel lineups
- Favorites
- ✅ **FireTV devices** (data/firetv-devices.json)
- Device IDs and names
- IP addresses and ports
- Installed apps
- ADB settings
- ✅ **IR devices** (data/ir-devices.json)
- Device types and models
- IR code databases
- Command mappings
- Custom codes
- ✅ **TV layout** (data/tv-layout.json)
- Physical layout configuration
- TV positions and zones
- Viewing angles
- Bar floor plan mappings

Logs & Presets

- ✅ **Scene logs** (data/scene-logs/)
- Scene activation history
- Performance logs
- Error tracking
- ✅ **Atlas configs** (data/atlas-configs/)
- Saved matrix configurations
- Custom routing presets
- Backup configurations

🔧 Configuration Files (config/*.local.json)

All your system settings:

local.local.json

- ✅ Bar name and location
- ✅ Timezone
- ✅ Network configuration (ports, hosts)
- ✅ Wolfpack IP and port
- ✅ Feature toggles
- ✅ Logging preferences

- ✅ Backup schedule
- ✅ Audio settings
- ✅ CEC settings
- ✅ Device settings

devices.local.json

- ✅ Device inventory
- ✅ Custom device definitions
- ✅ Device groupings
- ✅ CEC configurations
- ✅ DirecTV settings
- ✅ FireTV settings
- ✅ Global Cache settings
- ✅ Wolfpack settings

sports-teams.local.json

- ✅ Home teams
- ✅ Favorite teams
- ✅ Notification preferences
- ✅ Auto-monitoring settings
- ✅ Favorite leagues

🌐 Environment Variables (.env)

All your API keys and secrets:

- ✅ Wolfpack connection (WOLFPACK_HOST, WOLFPACK_PORT)
- ✅ Database URL (DATABASE_URL)
- ✅ Encryption key (ENCRYPTION_KEY)
- ✅ NextAuth configuration (NEXTAUTH_URL, secrets)
- ✅ API base URL (API_BASE_URL)
- ✅ External service credentials
- ✅ Custom environment variables

📥 User Uploads (uploads/)

All your uploaded files:

- ✅ Bar layout PDFs
- ✅ Equipment manuals
- ✅ Custom images
- ✅ Log exports
- ✅ Backup files
- ✅ Documentation

Backup Process

Automatic (Every Update)

```
./update_from_github.sh
```

Creates:

```
~/sports-bar-backups/config-backup-YYYYMMDD-HHMMSS.tar.gz
```

Retention: Last 7 backups kept automatically

Manual Backup

```
cd /home/ubuntu/Sports-Bar-TV-Controller

# Create backup now
tar -czf ~/manual-backup-$(date +%Y%m%d).tar.gz \
    config/*.local.json \
    .env \
    prisma/dev.db \
    data/*.json \
    data/scene-logs/ \
    data/atlas-configs/ \
    uploads/

# Full system backup (includes node_modules, logs, etc.)
tar -czf ~/full-system-backup-$(date +%Y%m%d).tar.gz \
    /home/ubuntu/Sports-Bar-TV-Controller/
```

Protected by .gitignore

All your data is protected from Git:

```
# Never tracked by Git:
.env
.env*.local
config/*.local.json
config/*.local.js
prisma/*.db
prisma/*.db-journal
data/*.json                  ← NEW!
data/scene-logs/             ← NEW!
data/atlas-configs/*.json    ← NEW!
/uploads/*
```

What this means:
- ✅ Never committed to GitHub
- ✅ Never overwritten by `git pull`
- ✅ Never shared publicly
- ✅ Always preserved on your local machine

What's NOT Backed Up

Only these are excluded (can be regenerated):

- ❌ `node_modules/` - Dependencies (regenerated by `npm install`)
- ❌ `.next/` - Build cache (regenerated by `npm run build`)
- ❌ `logs/` - Rotating logs (continuously generated)
- ❌ Template files - Stored in Git (data/*.template.json)

Everything else is backed up!

Restore Process

Full Restore

```
cd /home/ubuntu/Sports-Bar-TV-Controller

# Stop server
pkill -f "npm.*start"

# Restore from backup
tar -xzf ~/sports-bar-backups/config-backup-YYYYMMDD-HHMMSS.tar.gz

# Restart server
npm start
```

Selective Restore

```
# Restore only database
tar -xzf ~/sports-bar-backups/config-backup-LATEST.tar.gz prisma/dev.db

# Restore only data files
tar -xzf ~/sports-bar-backups/config-backup-LATEST.tar.gz data/

# Restore only config
tar -xzf ~/sports-bar-backups/config-backup-LATEST.tar.gz config/

# Restore only .env
tar -xzf ~/sports-bar-backups/config-backup-LATEST.tar.gz .env
```

Verification

Test Preservation

```
cd /home/ubuntu/Sports-Bar-TV-Controller
./test-preservation.sh
```

Shows:
- Database record counts (inputs, outputs, routes, scenes, devices, etc.)
- Configuration files status
- Data files status
- Upload directory status
- Streaming credentials count

List Backup Contents

```
tar -tzf ~/sports-bar-backups/config-backup-LATEST.tar.gz
```

Shows all files in backup

View Specific Backup File

```
# View streaming credentials from backup (without extracting)
tar -xzOf ~/sports-bar-backups/config-backup-LATEST.tar.gz data/streaming-creden-
tials.json | jq .

# View database tables from backup (extract to temp location)
tar -xzf ~/sports-bar-backups/config-backup-LATEST.tar.gz -C /tmp/
sqlite3 /tmp/prisma/dev.db "SELECT * FROM ApiKey;"
```

Backup Locations

Primary Backups

```
~/sports-bar-backups/
├── config-backup-20251001-120000.tar.gz  ← Most recent
├── config-backup-20251001-100000.tar.gz
├── config-backup-20250930-180000.tar.gz
├── config-backup-20250930-160000.tar.gz
├── config-backup-20250930-140000.tar.gz
├── config-backup-20250929-220000.tar.gz
└── config-backup-20250929-200000.tar.gz  ← Oldest kept
```

Live Data

Your actual data files (not backups):

```
/home/ubuntu/Sports-Bar-TV-Controller/
├── config/
│   ├── local.local.json
│   ├── devices.local.json
│   └── sports-teams.local.json
├── data/
│   ├── streaming-credentials.json
│   ├── device-subscriptions.json
│   ├── directv-devices.json
│   ├── firetv-devices.json
│   ├── ir-devices.json
│   ├── tv-layout.json
│   ├── scene-logs/
│   └── atlas-configs/
├── prisma/
│   └── dev.db
├── uploads/
└── .env
```

Security

Backup Permissions

```
# Ensure backups are private
chmod 600 ~/sports-bar-backups/*.tar.gz
chmod 700 ~/sports-bar-backups/
```

External Backup

Recommended: Copy backups to external storage

```
# USB drive
cp ~/sports-bar-backups/config-backup-*.tar.gz /media/backup-drive/

# Network drive
cp ~/sports-bar-backups/config-backup-*.tar.gz /mnt/nas/sports-bar/

# Cloud storage (using rclone)
rclone copy ~/sports-bar-backups/ remote:sports-bar-backups/
```

Encrypted Backup

For extra security:

```
# Create encrypted backup
tar -czf - \
    config/*.local.json \
    .env \
    prisma/dev.db \
    data/*.json | \
gpg --symmetric --cipher-algo AES256 \
    > ~/encrypted-backup-$(date +%Y%m%d).tar.gz.gpg

# Restore encrypted backup
gpg --decrypt ~/encrypted-backup-YYYYMMDD.tar.gz.gpg | tar -xzf -
```

Summary

Everything Backed Up

Category	Items	Location	Count
Database	All configs & data	`prisma/dev.db`	~20 tables
API Keys	AI providers	Database	4+ keys
Streaming	Service credentials	`data/streaming-credentials.json`	Variable
Subscriptions	Device packages	`data/device-subscriptions.json`	Variable
Devices	Device configs	`data/*.json`	4+ files
Config	System settings	`config/*.local.json`	3 files
Environment	API keys & secrets	`.env`	8+ vars
Uploads	User files	`uploads/`	Variable
Logs	Scene history	`data/scene-logs/`	Variable
Presets	Atlas configs	`data/atlas-configs/`	Variable

Total: Everything you configure is backed up! ✅

Backup Size

Typical backup sizes:
- **Minimal** (fresh install): ~100 KB
- **Configured** (with data): ~500 KB - 2 MB
- **Heavy use** (with uploads): 2 MB - 50 MB

Update Safety

When you run `./update_from_github.sh`:

1. ✅ **Backup created** - All data saved before any changes
2. ✅ **Code updated** - Latest features from GitHub
3. ✅ **Data preserved** - All your settings intact
4. ✅ **Dependencies updated** - npm packages installed
5. ✅ **Database migrated** - Schema updated, data kept
6. ✅ **Verification** - Success message shows what's preserved
7. ✅ **Server restarted** - App running with your data

Result: Zero configuration loss! 🎉

Related Documentation:

- `API_KEYS_BACKUP_GUIDE.md` - API keys & credentials details
- `USER_DATA_PRESERVATION.md` - All preserved data
- `UPDATE_SCRIPT_GUIDE.md` - Update process details
- `LOCAL_CONFIG_SYSTEM.md` - Configuration system
- `test-preservation.sh` - Verification script

Last Updated: October 1, 2025