

# 1DreamUnited Multi-Platform Deployment Guide

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## Quick Deployment

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### Extract and Deploy

```
# Extract the deployment package
tar -xzf 1DreamUnited_MultiPlatform_Deployment_YYYYMMDD.tgz

# Navigate to project directory
cd 1DreamUnited_MultiPlatform

# Build all platforms
./scripts/build_all.sh

# Or build individual platforms
./scripts/build_mobile.sh    # iOS/Android
./scripts/build_desktop.sh   # Windows/macOS/Linux
./scripts/build_roku.sh      # Roku Channel

# Create distribution packages
./scripts/package_all.sh
```

## Platform-Specific Deployment

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### Mobile (iOS/Android)

```
cd mobile/react_native/

# Install Expo CLI if not installed
npm install -g @expo/cli eas-cli

# Login to Expo account
expo login
eas login

# Build for production
eas build --platform all

# Submit to app stores
eas submit --platform ios
eas submit --platform android
```

## Desktop (Windows/macOS/Linux)

```
cd desktop/electron/

# Install dependencies
npm install

# Build for current platform
npm run make

# Build for specific platforms
npm run dist:win    # Windows
npm run dist:mac    # macOS
npm run dist:linux  # Linux
```

## Roku Channel

```
cd roku/

# Set Roku device credentials
export ROKU_DEV_TARGET=192.168.1.XXX
export ROKU_DEV_PASSWORD=your_dev_password

# Deploy to Roku device
./deploy.sh

# Or use the build script
../scripts/build_roku.sh
```

## Prerequisites

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### Development Environment

- **Node.js** 18+ and npm
- **Git** for version control
- **Platform-specific tools** (see individual platform guides)

### Mobile Development

- **Expo CLI** and **EAS CLI**
- **iOS**: Xcode 14+ (macOS only)
- **Android**: Android Studio and SDK




### Desktop Development

- **Electron Forge**
- **Platform build tools** (varies by target OS)

### Roku Development

- **Roku device** with developer mode enabled
- **Network access** to Roku device

## Package Contents

1DreamUnited_MultiPlatform/		
	README.md	# Main project overview
	DEPLOYMENT_GUIDE.md	# This deployment guide
	mobile/	
	 react_native/	# React Native mobile app
	desktop/	
	 electron/	# Electron desktop app
	roku/	# Roku channel source
	scripts/	# Build <b>and</b> deployment scripts
	 build_all.sh	# Build all platforms
	 build_mobile.sh	# Build mobile apps
	 build_desktop.sh	# Build desktop apps
	 build_roku.sh	# Build Roku channel
	 package_all.sh	# Create distribution packages
	docs/	# Comprehensive documentation
	 PlatformGuides/	# Platform-specific guides
	 CI_CD.md	# CI/CD setup guide
	assets/	# Shared assets <b>and</b> resources
	builds/	# Build artifacts (generated)

## Key Features

### AI Ecosystem Integration

- **Intelligent Music Discovery:** AI-powered recommendations
- **Smart Collaboration:** AI-assisted music creation
- **Content Analysis:** Advanced audio/video analysis
- **Personalization:** Adaptive user experience

### Dr33MTV Streaming

- **Global Content:** International music streaming
- **DRM Protection:** Secure content delivery
- **Multi-Language:** 20+ language support
- **HD Streaming:** High-quality audio/video

### Cross-Platform Sync

- **Universal Account:** Single account across platforms
- **Content Sync:** Playlists and preferences sync
- **Real-time Collaboration:** Cross-platform music collaboration
- **Cloud Integration:** Seamless cloud storage

## Production Deployment

### Mobile App Stores

1. **iOS App Store:** Submit via EAS to Apple App Store
2. **Google Play Store:** Submit via EAS to Google Play

### Desktop Distribution

1. **Windows:** NSIS installer, Microsoft Store

2. **macOS:** DMG installer, Mac App Store
3. **Linux:** Appliance, DEB/RPM packages

## Roku Channel Store

1. **Development:** Direct deployment to Roku devices
2. **Production:** Submit to Roku Channel Store

## Security Considerations

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- **DRM Protection:** Advanced content protection
- **User Privacy:** GDPR/CCPA compliant
- **Secure Streaming:** Encrypted content delivery
- **Authentication:** Multi-factor authentication support

## Monitoring and Analytics

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- **User Analytics:** Comprehensive behavior tracking
- **Content Analytics:** Performance metrics
- **AI Insights:** ML-powered business intelligence
- **Real-time Monitoring:** Live platform performance

## Support and Troubleshooting

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### Common Issues

- **Build Failures:** Check platform-specific logs
- **Dependency Issues:** Clear cache and reinstall
- **Network Problems:** Verify connectivity and credentials

### Getting Help

- **Documentation:** Comprehensive guides in `docs/` directory
- **Platform Guides:** Detailed setup instructions
- **CI/CD Guide:** Automated deployment setup

## Roadmap

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### Upcoming Platforms

- **Web Platform:** Progressive Web App (PWA)
- **Smart TV:** Samsung Tizen, LG webOS
- **Gaming Consoles:** PlayStation, Xbox
- **VR/AR:** Virtual/Augmented Reality experiences

### Future Enhancements

- **Enhanced AI:** Advanced machine learning features
  - **Global Expansion:** Additional language support
  - **IoT Integration:** Smart home and automotive
  - **Blockchain:** NFT and cryptocurrency integration
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**1DreamUnited Multi-Platform Ecosystem**

Connecting the world through music and AI innovation

For technical support: Contact the development team

For business inquiries: Visit <https://1dreamunited.com>